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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEALINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/CAPLUS enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEALINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:11:53 ON 30 MAR 2008

=> FILE REG

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:12:02 ON 30 MAR 2008

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STRUCTURE FILE UPDATES: 28 MAR 2008 HIGHEST RN 1010855-43-2

DICTIONARY FILE UPDATES: 28 MAR 2008 HIGHEST RN 1010855-43-2

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

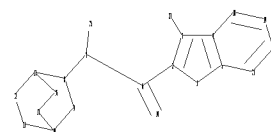
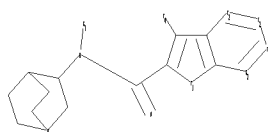
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\105000965.str



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chain nodes :
6 7 14 25 27
ring nodes :
1 2 3 4 5 8 9 10 11 12 13 16 17 18 19 20 21
chain bonds :
2-6 3-27 6-7 6-14 7-8 7-25
ring bonds :
1-2 1-5 2-3 3-4 4-5 4-18 5-21 8-9 8-13 9-10 10-11 10-17 11-12 12-13
13-16 16-17 18-19 19-20 20-21
exact/norm bonds :
1-2 1-5 2-3 2-6 3-4 3-27 4-5 4-18 5-21 6-7 6-14 7-8 7-25 8-9 8-13
9-10 10-11 10-17 11-12 12-13 13-16 16-17 18-19 19-20 20-21

```

G1:O,S

G2:C,N

G3:H,Ak

G4:H,X,Ak

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom
21:Atom 25:CLASS 27:CLASS

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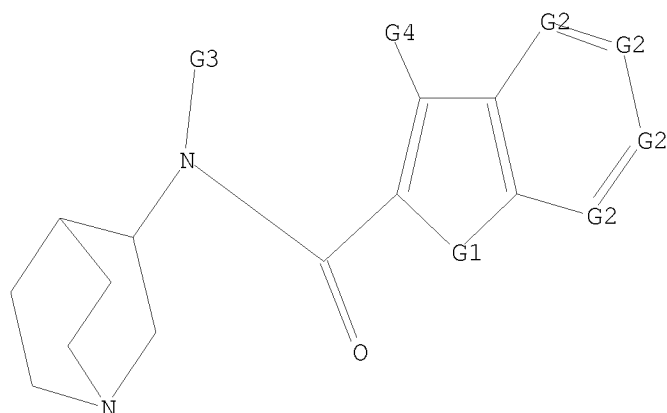
saeed

L1 STRUCTURE UPLOADED

=> D

L1 HAS NO ANSWERS

L1 STR



G1 O, S

G2 C, N

G3 H, Ak

G4 H, X, Ak

Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 14:12:31 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 46 TO ITERATE

100.0% PROCESSED 46 ITERATIONS

30 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 514 TO 1326

PROJECTED ANSWERS: 272 TO 928

L2 30 SEA SSS SAM L1

=> S L1 FULL

FULL SEARCH INITIATED 14:12:39 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 916 TO ITERATE

100.0% PROCESSED 916 ITERATIONS

683 ANSWERS

SEARCH TIME: 00.00.01

L3 683 SEA SSS FUL L1

10500096>

03/30/2008

=> FILE CAPLUS
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
178.36	178.57

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:12:50 ON 30 MAR 2008
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FILE COVERS 1907 - 30 Mar 2008 VOL 148 ISS 14
FILE LAST UPDATED: 28 Mar 2008 (20080328/ED)

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<http://www.cas.org/infopolicy.html>

=> S L3

L4 14 L3

=> D IBIB ABS HITSTR TOT

10500096>

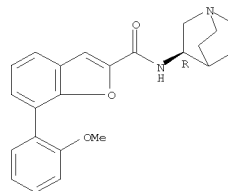
03/30/2008

L4 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:513292 CAPLUS
 DOCUMENT NUMBER: 1471109919
 TITLE: The novel $\alpha 7$ nicotinic acetylcholine receptor agonist N-[(3R)-1-azabicyclo[2.2.2]oct-3-yl]-7-[2-(methoxy)phenyl]-1-benzofuran-2-carboxamide improves working and recognition memory in rodents
 AUTHOR(S): Boess, Frank G.; De Vry, Jean; Erb, Christina; Flessner, Timo; Hendrix, Martin; Luthle, Joachim; Methfessel, Christoph; Riedl, Bernd; Schnizler, Katrin; van der Staay, Franz-Josef; van Kampen, Marja;
 CORPORATE SOURCE: Wiese, Welf Burkhard; Koenig, Gerhard Pharma Research CNS, Bayer HealthCare AG, Wuppertal, Germany
 SOURCE: Journal of Pharmacology and Experimental Therapeutics (2007), 321(2), 716-725
 CODEN: JPETAB; ISSN: 0022-3565
 PUBLISHER: American Society for Pharmacology and Experimental Therapeutics
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The relative contribution of $\alpha 4\beta 2$, $\alpha 7$ and other nicotinic acetylcholine receptor (nAChR) subtypes to the memory enhancing vs. the addictive effects of nicotine is the subject of ongoing debate. In the present study, we characterized the pharmacol. and behavioral properties of the $\alpha 7$ nAChR agonist N-[(3R)-1-azabicyclo[2.2.2]oct-3-yl]-7-[2-(methoxy)phenyl]-1-benzofuran-2-carboxamide (ABBF). ABBF bound to $\alpha 7$ nAChR in rat brain membranes (K_i = 62 nM) and to recombinant human 5-hydroxytryptamine (5-HT)₃ receptors (K_i = 60 nM). ABBF was a potent agonist at the recombinant rat and human $\alpha 7$ nAChR expressed in *Xenopus* oocytes, but it did not show agonist activity at other nAChR subtypes. ABBF acted as an antagonist of the 5-HT₃ receptor and $\alpha 3\beta 4$, $\alpha 4\beta 2$, and muscle nAChRs (at higher concns.). ABBF improved social recognition memory in rats (0.3-1 mg/kg p.o.). This improvement was blocked by intracerebroventricular administration of the $\alpha 7$ nAChR antagonist methyllycaconitine at 10 mg, indicating that it is mediated by $\alpha 7$ nAChR agonism. In addition, ABBF improved working memory of aged rats in a water maze repeated acquisition paradigm (1 mg/kg p.o.) and object recognition memory in mice (0.3-1 mg/kg p.o.). Rats trained to discriminate nicotine (0.4 mg/kg s.c.) from vehicle did not generalize to ABBF (0.3-30 mg/kg p.o.), suggesting that the nicotine cue is not mediated by the $\alpha 7$ nAChR and that selective $\alpha 7$ nAChR agonists may not share the abuse liability of nicotine. Our results support the hypothesis that $\alpha 7$ nAChR agonists may provide a novel therapeutic strategy for the treatment of cognitive deficits with low abuse potential.
 IT 634904-11-3
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 [$\alpha 7$ nicotinic acetylcholine receptor agonist [azabicyclooctyl][(methoxy)phenyl]benzofurancarboxamide improves memory with low abuse potential in rodents)

L4 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 634904-11-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)-, hydrochloride (1:1) (CA INDEX NAME)

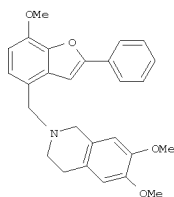
Absolute stereochemistry.



● HCl

REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
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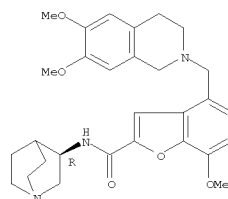
L4 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:228801 CAPLUS
 DOCUMENT NUMBER: 146:462113
 TITLE: Novel 4-(6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolin-2-yl)methylbenzofuran derivatives as selective $\alpha 2C$ -adrenergic receptor antagonists
 AUTHOR(S): Hagiwara, Koji; Kashima, Hajime; Iida, Kyoichiro; Enokizono, Junichi; Uchida, Shin-ichi; Nonaka, Hiromi;
 CORPORATE SOURCE: Kurokawa, Masako; Shimada, Junichi Pharmaceutical Research Center, Kyowa Hakko Kogyo Co., Ltd, 1188 Shimotogari, Nagaizumi-cho, Sunto-gun, Shizuoka, 411-8731, Japan
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2007), 17(6), 1616-1621
 CODEN: BMCLE8; ISSN: 0960-894X
 PUBLISHER: Elsevier Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB The synthesis of a series of 4-(6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolin-2-yl)methyl-2-arylbenzofuran and 4-(6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolin-2-yl)methylbenzofuran-2-carboxamide derivs. as novel $\alpha 2C$ -adrenergic receptor antagonists are described. Their affinity at three different human $\alpha 2$ -adrenergic receptors is reported, and some of these compds. exhibited high affinity for the $\alpha 2C$ -adrenergic receptor with high subtype selectivity. Among them, the monofumarate of compound I has been found to show the anti-L-dopa-induced dyskinesia activity in marmosets. The structure-activity relationship of these compds. is also discussed.
 IT 934969-56-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation of 4-(6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolin-2-yl)methylbenzofuran derivs. as selective $\alpha 2C$ -adrenergic receptor antagonists)

L4 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 934969-56-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-4-[(3,4-dihydro-6,7-dimethoxy-2(1H)-isoquinolinyl)methyl]-7-methoxy-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)
 CM 1
 CRN 934969-55-8
 CMF C29 H35 N3 O5

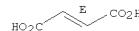
Absolute stereochemistry.



CM 2

CRN 110-17-8
 CMF C4 H4 O4

Double bond geometry as shown.



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
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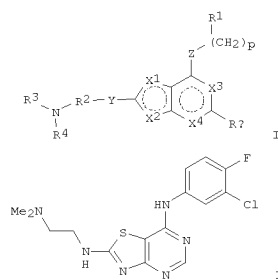
03/30/2008

L4 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:1314807 CAPLUS
 DOCUMENT NUMBER: 144:51604
 TITLE: Preparation of thiazolopyrimidines and thienopyrimidines as antagonists of CCR2b receptors for the treatment of chemokine-mediated diseases
 INVENTOR(S): Bower, Justin Fairfield; Fauli, Alan Wellington; Winter, Jon
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited
 SOURCE: PCT Int. Appl., 142 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005117890	A2	20051215	WO 2005-GB2138	20050531
WO 2005117890	A3	20060119		
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RW:	BW, GB, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1755610	A2	20070228	EP 2005-746847	20050531
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 1993129	A	20070704	CN 2005-80026611	20050531
JP 2008501671	T	20080124	JP 2007-514121	20050531
US 2007244133	A1	20071018	US 2006-628449	20061204
IN 2006DN07408	A	20070824	IN 2006-DN7408	20061207
PRIORITY APPLN. INFO.:			GB 2004-12467	A 20040604
			WO 2005-GB2138	W 20050531

OTHER SOURCE(S): MARPAT 144:51604
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L4 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

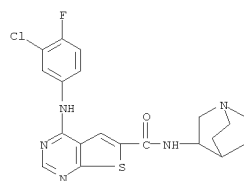


AB The invention relates to compds. I [wherein X1, X2 = S, N or CH; X3, X4 = N or CH; R1 = H, alkyl; p = 0-4; R2 = H, (un)substituted cycloalkyl or aryl; Z = (un)substituted NH or -NHC(O)-; Y = bond, O, C(O); R3 = bond, (un)substituted alkylene; R4 = (un)substituted alkyl, alkenyl, alkynyl or heterocycle; R3 and R4 may link together to form a cycle, etc., with some limitations, and pharmaceutically acceptable salts or solvates thereof], which act via antagonism of the CCR2b receptor for which MCP-1 is one of the known ligands, and so may be used to treat such as inflammatory disease which is mediated by C-C chemokines. The invention also relates to processes for the preparation of I, to their pharmaceutical

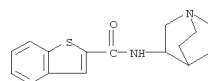
comps. and to their use as therapeutic agents. For instance, successive condensation of 7-chloro-2-(methylsulfonyl)thiazolo[4,5-d]pyrimidine (preparation given) with 3-chloro-4-fluoroaniline and N,N'-dimethylethylenediamine gave II. I had IC50 values of better than 20 μmol in the hMCP-1 receptor-binding assay, and certain I were tested and found to be active in the assay of MCP-1 mediated calcium flux in THP-1 cells (e.g., two compds. had IC50 values of 0.379 μM and 0.313 μM, resp.).

IT 871230-41-0P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of thiazolopyrimidines and thienopyrimidines as antagonists of CCR2b receptors for the treatment of chemokine-mediated diseases)
 RN 871230-41-0 CAPLUS
 CN Thieno[2,3-d]pyrimidine-6-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-4-[(3-

L4 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 chloro-4-fluorophenyl)amino]- (CA INDEX NAME)



L4 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:1024915 CAPLUS
 DOCUMENT NUMBER: 143:452150
 TITLE: High affinity ligands for the α7 nicotinic receptor that show no cross-reactivity with the 5-HT3 receptor
 AUTHOR(S): Baker, S. Richard; Boot, John; Brunavs, Michael; Dobson, David; Green, Rachel; Hayhurst, Lorna; Keenan,
 Martine; Wallace, Louise
 CORPORATE SOURCE: Lilly Research Centre, Eli Lilly and Company Ltd., Surrey, GU20 6PH, UK
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2005), 15(21), 4727-4730
 CODEN: BMCLB8; ISSN: 0960-894X
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 143:452150
 AB Potent and selective ligands of the α7 nicotinic acetylcholine receptor are required to understand the pharmacol. effect of α7 activation. A common cross-reactivity occurs with serotonergic 5-HT3 receptors with which α7 receptors have a high sequence homol. The authors demonstrate that certain quinuclidine 3-biaryl carboxamides are high affinity α7 ligands with an excellent binding selectivity over 5-HT3 receptors.
 IT 550998-91-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (high affinity ligands for α7 nicotinic receptor showing no cross-reactivity with 5-HT3 receptor)
 RN 550998-91-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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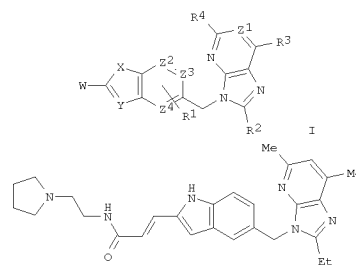
03/30/2008

L4 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:979654 CAPLUS
 DOCUMENT NUMBER: 143:266925
 TITLE: Preparation of imidazo[4,5-b]pyridine derivatives as GPR4 receptor antagonists
 INVENTOR(S): Iida, Kyoichiro; Otsubo, Nobumasa; Kuboyama, Takeshi; Arai, Hitoshi; Watanabe, Akihiko; Saki, Mayumi;
 Hiura,
 Naoko; Manabe, Haruhiko; Takada, Hidenori; Saito, Jun
 PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 215 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

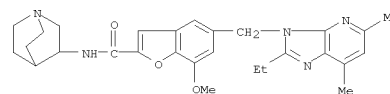
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			JP 2004-50933	A 20040226
			JP 2004-307947	A 20041022

OTHER SOURCE(S): MARPAT 143:266925
 GI

L4 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



AB The title compds. I [wherein R1 = H, halo, NH2, etc.; R2-R4 = independently H, halo, CN, etc.; Y = N or (un)substituted CH; X = (un)substituted NH; Z1-Z4 = independently N or (un)substituted CH; W = NO2, CHO, (un)substituted alkyl, etc.] or pharmaceutically acceptable salts thereof are prepared as G protein-coupled receptor (GPR4) antagonists for the treatment of neutrophil inflammation. For example, the compound II was prepared in a multi-step synthesis. II inhibited 98% of human GPR4 at the concentration of 1 μ M.
 IT 863876-47-5P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of imidazo[4,5-b]pyridine derivs. as GPR4 receptor antagonists)
 RN 863876-47-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-5-[(2-ethyl-5,7-dimethyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl]-7-methoxy- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS

L4 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L4 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:612120 CAPLUS
 DOCUMENT NUMBER: 143:139163
 TITLE: Combination of an atypical antipsychotic and a nicotinic receptor agonist or antagonist for cognition
 INVENTOR(S): Romano, Steven Joseph
 PATENT ASSIGNEE(S): Pfizer Products Inc., USA
 SOURCE: PCT Int. Appl., 62 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063296	A2	20050714	WO 2004-IB4174	20041215
WO 2005063296	A3	20060420		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2549638	A1	20050714	CA 2004-2549638	20041215
EP 1699488	A2	20060913	EP 2004-801402	20041215
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU			
BR 2004018092	A	20070417	BR 2004-18092	20041215
JP 2007516275	T	20070621	JP 2006-546368	20041215
US 2005215571	A1	20050929	US 2004-18100	20041220
MX 2006PA07213	A	20060818	MX 2006-PA7213	20060622
PRIORITY APPLN. INFO.:			US 2003-532082P	P 20031223
			WO 2004-IB4174	W 20041215

OTHER SOURCE(S): MARPAT 143:139163
 AB This invention relates to combinations of an atypical antipsychotic, and a nicotinic receptor agonist or antagonist, kits containing such combinations, pharmaceutical compns. comprising such combinations, and methods of using such combinations to treat patients suffering from cognitive impairment disorders or psychotic disorders or conditions. A composition was prepared by combining ziprasidone with the nicotinic agonist varenicline tartrate.
 IT 478149-81-4
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (combination of an atypical antipsychotic and a nicotinic receptor agonist or antagonist for cognition enhancement and psychotic

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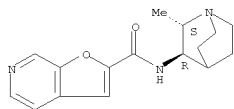
Page 8

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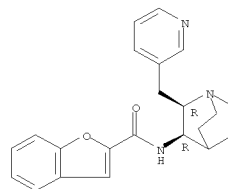
03/30/2008

L4 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 disorders)
 RN 478149-81-4 CAPLUS
 CN Furo[2,3-c]pyridine-2-carboxamide, N-[(2S,3R)-2-methyl-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

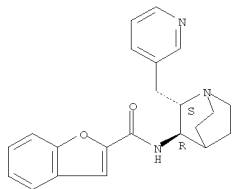


L4 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:286359 CAPLUS
 DOCUMENT NUMBER: 143:19236
 TITLE: 2-(Arylmethyl)-3-substituted quinuclidines as selective $\alpha 7$ nicotinic receptor ligands
 AUTHOR(S): Mazurov, Anatoly; Klucik, Jozef; Miao, Lan; Phillips, Teresa Y.; Seamans, Angela; Schmitt, Jeffrey D.; Hauser, Terry A.; Johnson, Raymond T.; Miller, Craig
 CORPORATE SOURCE: Medicinal Chemistry, Targacept, Inc., Winston-Salem, NC, 27101, USA
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2005), 15(8), 2073-2077
 CODEN: BMCLE8; ISSN: 0960-894X
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 143:19236
 AB A series of 2-(arylmethyl)-3-substituted quinuclidines was developed as $\alpha 7$ neuronal nicotinic acetylcholine receptor (nAChR) agonists based on a putative pharmacophore model. The series is highly selective for the $\alpha 7$ over other nAChRs (e.g., the $\alpha 4\beta 2$ of the CNS, and the muscle and ganglionic subtypes) and is functionally tunable at $\alpha 7$. One member of the series, (+)-N-(1-azabicyclo[2.2.2]oct-3-yl)benzo[b]furan-2-carboxamide, has potent agonistic activity for the $\alpha 7$ nAChR (EC50 = 33 nM, Imax = 1.0), at concns. below those that result in desensitization.
 IT 852476-47-2P 852476-66-5P 852812-62-5P
 852812-63-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (arylmethyl-substituted quinuclidines as selective $\alpha 7$ nicotinic receptor ligands)
 RN 852476-47-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]-, rel-(-)- (CA INDEX NAME)
 Relative stereochemistry.



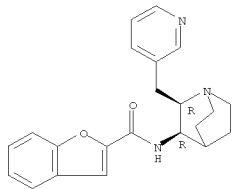
L4 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 852476-66-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 852812-62-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]-, rel-(+)- (CA INDEX NAME)

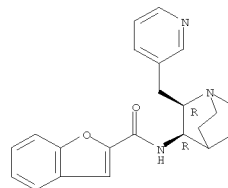
Rotation (+). Absolute stereochemistry unknown.



RN 852812-63-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]-, rel-(-)- (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

L4 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

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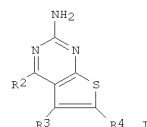
03/30/2008

L4 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:216822 CAPLUS
DOCUMENT NUMBER: 142:298124
TITLE: Preparation of pyrimidothiophenes as HSP90 inhibitors
INVENTOR(S): Dymock, Brian William; Drysdale, Martin James;
Fromont, Christophe; Jordan, Allan
PATENT ASSIGNEE(S): Vernalis Cambridge Ltd., UK; Cancer Research
Technology Ltd.; The Institute of Cancer Research;
Barril-Alonso, Xavier
SOURCE: PCT Int. Appl., 132 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

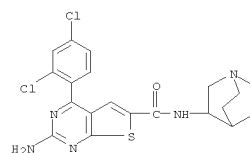
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005021552	A1	20050310	WO 2004-GB3641	20040826
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004268820	A1	20050310	AU 2004-268820	20040826
CA 2537135	A1	20050310	CA 2004-2537135	20040826
EP 1675861	A1	20060705	EP 2004-768197	20040826
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
CN 1842532	A	20061004	CN 2004-80024701	20040826
BR 2004013861	A	20061024	BR 2004-13861	20040826
JP 2007533611	T	20071122	JP 2006-524418	20040826
MX 2006PA02118	A	20060920	MX 2006-PA2118	20060223
KR 2007055414	A	20070530	KR 2006-704012	20060227
IN 2006CN01046	A	20070629	IN 2006-CN1046	20060327
NO 2006001416	A	20060523	NO 2006-1416	20060328
US 2007043044	A1	20070222	US 2006-569287	20061006
PRIORITY APPLN. INFO.:			GB 2003-20300	A 20030829
			GB 2003-27924	A 20031202
			GB 2004-14467	A 20040629
			WO 2004-GB3641	W 20040826

OTHER SOURCE(S): CASREACT 142:298124; MARPAT 142:298124
GI

L4 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



AB Pyrimidothiophenes I [R2 = (Ar1)m-(Alk1)p-Zr-(Alk2)s-Q; Ar1 = (un)substituted aryl, heteroaryl; Alk1, Alk2 = (un)substituted alkylene, alkenylene; m-s = 0, 1; Z = O, S, COP, CS, SO2, CO2, (un)substituted CONH, CSNH, SO2NH, NHC=O, NHSO2, NH; Q = H, carbocyclic, heterocyclic; R3 = H, (un)substituted alkyl, aryl, heteroaryl; R4 = carboxylic ester, carboxamide, sulfonamide] were prepared for use as HSP90 inhibitors.
Thus, 2-amino-4,6-dichloro-5-formylpyrimidine was treated with HSCH2CO2Et, followed by Suzuki reaction with PhB(OH)2 to give I [R2 = Ph, R3 = H, R4 = CO2Et] which showed activity in the fluorescence polarization assay for HSP90 inhibition.
IT 847558-98-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrimidothiophenes as HSP90 inhibitors)
RN 847558-98-9 CAPLUS
CN Thieno[2,3-d]pyrimidine-6-carboxamide, 2-amino-N-1-azabicyclo[2.2.2]oct-3-yl-4-(2,4-dichlorophenyl)- (CA INDEX NAME)

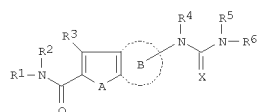


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:117115 CAPLUS
DOCUMENT NUMBER: 140:181328
TITLE: Preparation of benzothiophenes, benzofuranes and indoles for improvement of cognition, attention achievement, learning achievement and/or memory achievement
INVENTOR(S): Flessner, Timo; Boess, Frank-Gerhard; Erb, Christina; Hafner, Frank-Thorsten; Schnizler, Katrin; Lang, Dieter; Luthle, Joachim; Van Kampen, Marja; Van der Staay, Franz-Josef
PATENT ASSIGNEE(S): Bayer AG, Germany
SOURCE: Ger. Offen., 35 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10234424	A1	20040212	DE 2002-10234424	20020729
CA 2494352	A1	20040212	CA 2003-2494352	20030714
WO 2004013136	A1	20040212	WO 2003-EP7588	20030714
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG			
AU 2003254343	A1	20040223	AU 2003-254343	20030714
EP 1527073	A1	20050504	EP 2003-766162	20030714
EP 1527073	B1	20070822		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2005538111	T	20051215	JP 2004-525191	20030714
ES 2291694	T3	20080301	ES 2003-766162	20030714
US 2006106096	A1	20060518	US 2005-522611	20051215
PRIORITY APPLN. INFO.:			DE 2002-10234424	A 20020729
			WO 2003-EP7588	W 20030714

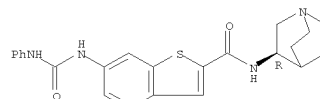
OTHER SOURCE(S): MARPAT 140:181328
GI



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L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

AB Title compds. [I; R1 = 1-azabicyclo[2.2.2]oct-3-yl; R2 = H, alkyl; R3 = H, halo, amino, OH, Cl-6 alkyl; R4 = H, (substituted) Cl-6 alkyl; R5 = H, Cl-6 alkyl; or R4R5 = (substituted) 5-6 membered heterocyclyl; R6 = H, alkyl, cycloalkyl, aryl, (substituted) 5-6 membered heterocyclyl, etc.; NR5R6 = (substituted) 3-8 membered heterocyclyl; A = O, N, S; X = O, S; B = (substituted) benzo or pyrido ring], were prepared Thus, 6-amino-N-[(3R)-1-azabicyclo[2.2.2]oct-3-yl]-1-benzothiophene-2-carboxamide dihydrochloride (preparation given) in THF was reacted with Et3N and 2,6-difluorophenyl isocyanate for 18 h at room temperature to give 75.9%
N-[(3R)-1-azabicyclo[2.2.2]oct-3-yl]-6-[(2,6-difluorophenyl)aminocarbonylamino]-1-benzothiophene-2-carboxamide hydrochloride. The latter showed affinity to α 7-NACHR by inhibiting [3H]methyllycaconite binding in rat brain membranes with Ki = 0.4 nM.
IT 657401-24-6P 657401-25-7P 657401-26-8P 657401-27-9P 657401-28-0P 657401-29-1P 657401-30-4P 657401-31-5P 657401-32-6P 657401-33-7P 657401-34-8P 657401-36-0P 657401-37-1P 657401-38-2P 657401-39-3P 657401-40-6P 657401-41-7P 657401-42-8P 657401-43-9P 657401-44-0P 657401-45-1P 657401-46-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzothiophenes, benzofuranes and indoles for improvement of cognition, attention achievement, learning achievement and/or memory achievement)
RN 657401-24-6 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(4-chlorophenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)
Absolute stereochemistry.



● HCl

RN 657401-25-7 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(4-chlorophenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

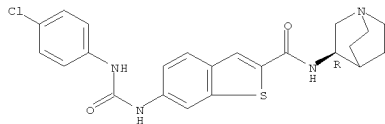
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Page 10

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L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

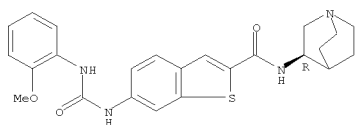
Absolute stereochemistry.



● HCl

RN 657401-26-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(2-methoxyphenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

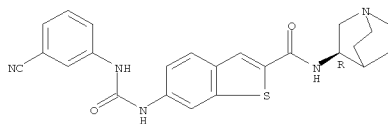


● HCl

RN 657401-27-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(3-methoxyphenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

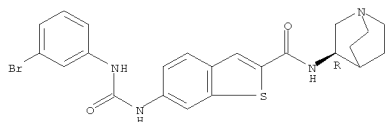
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-30-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(3-bromophenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



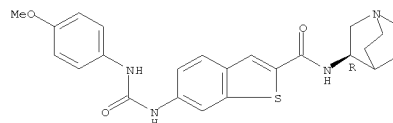
● HCl

RN 657401-31-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(4-bromophenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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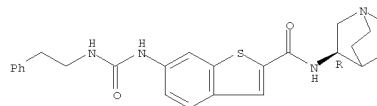
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-28-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(2-phenylethyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

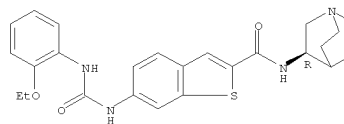


● HCl

RN 657401-29-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(3-phenylphenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

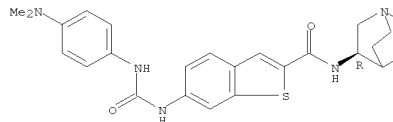
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-32-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(4-ethoxyphenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

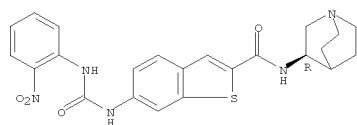
RN 657401-33-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(4-dimethylaminophenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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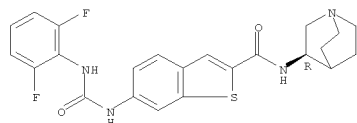
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-34-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(2,6-dichlorophenyl)amino]carbonyl]amino]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

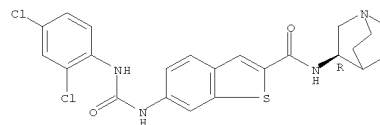


● HCl

RN 657401-36-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(2,4-difluorophenyl)amino]carbonyl]amino]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

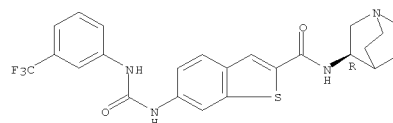
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-37-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[3-(trifluoromethyl)phenyl]amino]carbonyl]amino]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

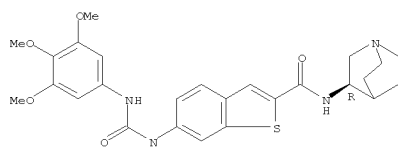


● HCl

RN 657401-38-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[3-(trifluoromethoxy)phenyl]amino]carbonyl]amino]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

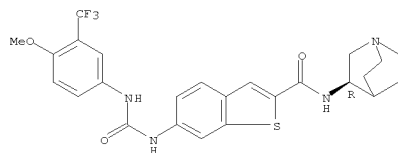
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-39-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[4-methoxy-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

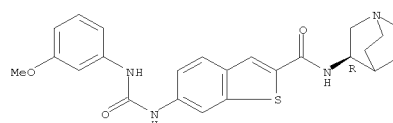


● HCl

RN 657401-40-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[3-methoxyphenyl]amino]carbonyl]amino]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

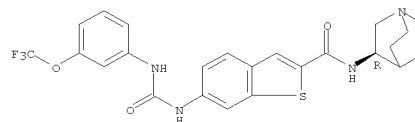
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-41-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[3-(trifluoromethoxy)phenyl]amino]carbonyl]amino]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



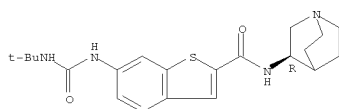
● HCl

RN 657401-42-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[1,1-dimethylethyl]amino]carbonyl]amino]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

10500096>

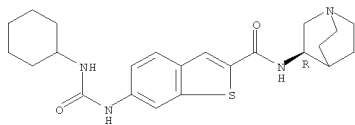
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-43-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(cyclohexylamino)carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



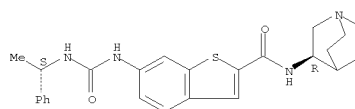
● HCl

RN 657401-44-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(1S)-1-phenylethyl]amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

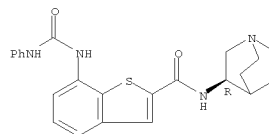
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 657401-45-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[[[(phenylamino)carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

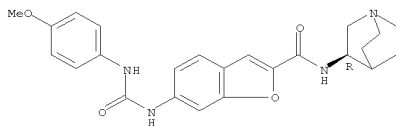


● HCl

RN 657401-46-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[[[(4-methoxyphenyl)amino]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

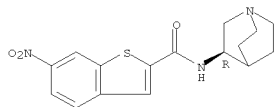


● HCl

IT 550998-69-1P 550998-99-7P 550999-21-8P
 550999-22-9P 550999-43-4P 550999-71-8P
 550999-80-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of benzothiophenes, benzofuranes and indoles for improvement of cognition, attention achievement, learning achievement and/or memory achievement)

RN 550998-69-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

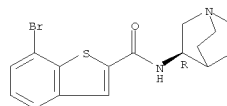


● HCl

RN 550998-99-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

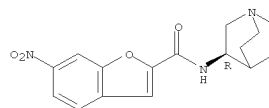
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

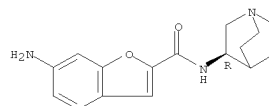
RN 550999-21-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-nitro- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-22-9 CAPLUS
 CN 2-Benzofurancarboxamide, 6-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



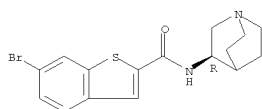
RN 550999-43-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

03/30/2008

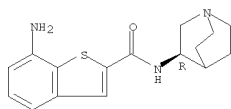
L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

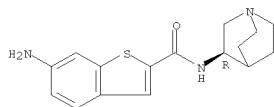
RN 550999-71-8 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 7-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

 $\bullet 2 \text{ HCl}$

RN 550999-80-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 6-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

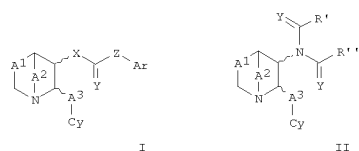
L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:3665 CAPLUS
DOCUMENT NUMBER: 140:72798
TITLE: Preparation of 3-substituted-2(aryllalkyl)-1-
azabicycloalkanes and methods of treatment using
these compounds
INVENTOR(S): Mazurov, Anatoly A.; Klucik, Jozef; Miao, Lan;
Seamans, Angela S.; Phillips, Teresa Youngpeter;
Schmitt, Jeffrey Daniel; Miller, Craig Harrison
PATENT ASSIGNEE(S): Targacept, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 38 pp., Cont.-in-part of U.S.
Ser. No. 162,129.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004002513	A1	20040101	US 2003-372642	20030221
US 6953855	B2	20051011		
US 6432975	B1	20020813	US 1998-210113	19981211
US 2003045523	A1	20030306	US 2002-162129	20020604
AU 2004215386	A1	20040930	AU 2004-251386	20040220
CA 25414135	A1	20040930	CA 2004-2514135	20040220
WO 2004076449	A2	20040930	WO 2004-US5044	20040220
WO 2004076449	A3	20041216		
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EP 1594869	A2	20051116	EP 2004-713356	20040220
EP 1594869	B1	20071219		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 200407708	A	20060214	BR 2004-7708	20040220
CN 1751041	A	20060322	CN 2004-80004736	20040220
JP 2006518746	T	20060817	JP 2006-503737	20040220
AT 381563	T	20080115	AT 2004-713356	20040220
US 2005255040	A1	20051117	US 2005-157119	20050620
ZA 2005006515	A	20060628	ZA 2005-6515	20050815
MX 2005PA08926	A	20051005	MX 2005-PA8926	20050822
IN 2005KN01718	A	20070323	IN 2005-KN1718	20050829
NO 2005040452	A	20051021	NO 2005-4052	20050831
US 2006247270	A1	20061102	US 2006-458231	20060718
PRIORITY APPLN. INFO.:			US 1998-210113	A1 19981211
			US 2002-162129	A2 20020604
			US 2003-372642	A 20030221
			WO 2004-US5044	A 20040220

L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
US 2005-157119 A1 20050620

OTHER SOURCE(S): MARPAT 140:77298
GI

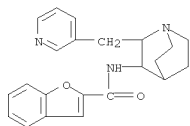


AB The present invention relates to 3-substituted-2-(aryalkyl)-1-azabicycloalkanes I [A1 = (CH₂)_n; A2 = (CH₂)_m; A3 = (CH₂)_p; m, n = 1, 2; p = 1 - 4; X = O, NR'; Z = NR', covalent bond, A; A = CR'R'', CR'R''CR'R'', CR'R''CR'R''bond.C (wherein, when Z = bond or A, X = N); Ar = (un)substituted carbocyclic, heterocyclic monocyclic or fused polycyclic aryl; Cy = (un)substituted 5- or 6-membered heteroarom. ring; wavy lines = relative or absolute stereochem. (cis or trans, R or S); R', R'' = H, (un)branched C1-8-alkyl, C3-8-cycloalkyl, heterocyclyl, aryl, aryalkyl [wherein, substituents = alkyl, alkenyl, heterocyclyl, cycloalkyl, (un)substituted aryl, (un)substituted aryalkyl, R', Cl, Br, I, CR', NR'', CF₃, CN, NO₂, C.tpbond.CR', SR', N₃, C(O)NR'', NR'C(O)R'', C(O)R'', C(O)C(O)R'', OC(O)R'', C(OR'R'')rC(O)R'', C(OR'R'')rNR'C(O)R'', C(OR'R'')rNR''SO₂R'', OC(O)NR''R'', NR'C(O)OR'', SO₂R'', SO₂NR'R'', NR''SO₂R''']; R'R'' = ring; r = 1 - 6] and II, methods of preparing the compds. and methods of treatment using the compds. The azabicycloalkanes generally are azabicycloheptanes, azabicyclooctanes, or azabicyclononanes. The aryl group in the aryalkyl moiety is a 5- or 6-membered ring heteroarom., preferably 3-pyridinyl and 5-pyrimidinyl moieties, and the alkyl group is typically a C 1-4 alkyl. The substituent at the 3-position of the 1-azabicycloalkane is a carbonyl group-containing moiety, such as an amide, carbamate, urea, thioamide, thiocarbamate, thiourea or similar functionality. The compds. exhibit activity at nicotinic acetylcholine receptors (nAChRs), particularly the α7 nAChR subtype, and are useful towards modulating neurotransmission and the release of ligands involved in neurotransmission. Methods for preventing or treating conditions and disorders, including central nervous system (CNS) disorders, which are characterized by an alteration in normal neurotransmission, are also disclosed. Also disclosed are methods for treating inflammation, autoimmune disorders, pain and extracerebral neovascularization, such as that associated with tumor growth. 639494-67-OP

IT RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP

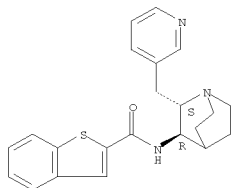
10500096>

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 (Preparation); USES (Uses)
 (prepn. of 3-substituted-2(arylalkyl)-1-azabicycloalkanes exhibiting
 activity at nicotinic acetylcholine receptors)
 RN 639494-67-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-[2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

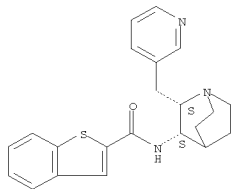


IT 639489-64-8P 639489-66-0P 639489-68-2P
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 639490-76-9P 639490-78-1P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation of 3-substituted-2(arylalkyl)-1-azabicycloalkanes
 exhibiting
 activity at nicotinic acetylcholine receptors)
 RN 639489-64-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)
 Absolute stereochemistry.

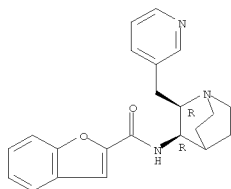
L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639489-70-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)
 Absolute stereochemistry.



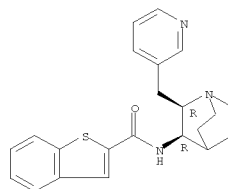
RN 639489-80-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)
 Absolute stereochemistry.



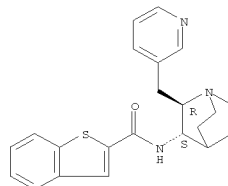
saeed

03/30/2008

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639489-66-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)
 Absolute stereochemistry.

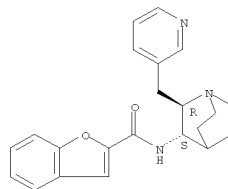


RN 639489-68-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)
 Absolute stereochemistry.

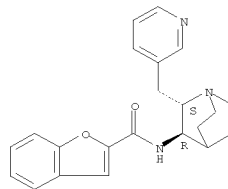
L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 639489-82-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 639489-84-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)
 Absolute stereochemistry.

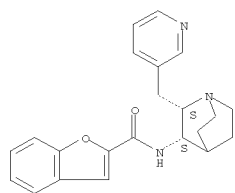


RN 639489-86-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)
 Absolute stereochemistry.

10500096>

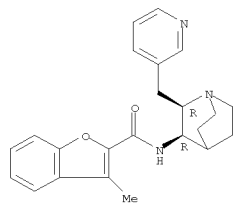
03/30/2008

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639489-96-6 CAPLUS
 CN 2-Benzofurancarboxamide, 3-methyl-N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

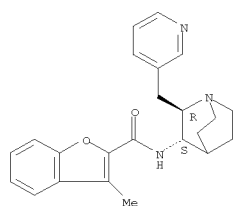
Absolute stereochemistry.



RN 639489-98-8 CAPLUS
 CN 2-Benzofurancarboxamide, 3-methyl-N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

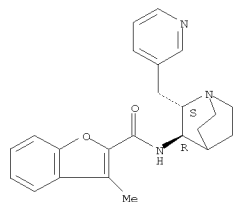
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-00-9 CAPLUS
 CN 2-Benzofurancarboxamide, 3-methyl-N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

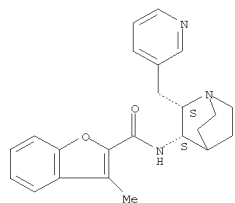
Absolute stereochemistry.



RN 639490-02-1 CAPLUS
 CN 2-Benzofurancarboxamide, 3-methyl-N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

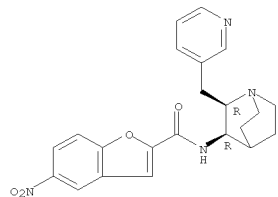
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-04-3 CAPLUS
 CN 2-Benzofurancarboxamide, 5-nitro-N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

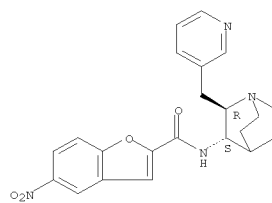
Absolute stereochemistry.



RN 639490-06-5 CAPLUS
 CN 2-Benzofurancarboxamide, 5-nitro-N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

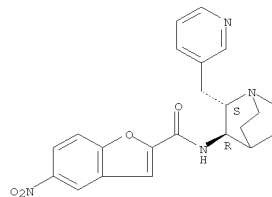
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-08-7 CAPLUS
 CN 2-Benzofurancarboxamide, 5-nitro-N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



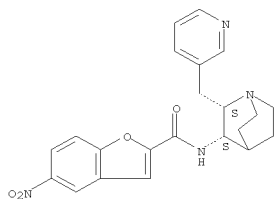
RN 639490-10-1 CAPLUS
 CN 2-Benzofurancarboxamide, 5-nitro-N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

10500096>

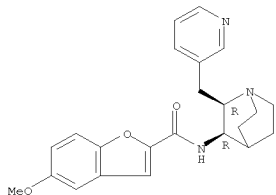
03/30/2008

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-12-3 CAPLUS
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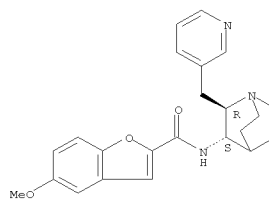
Absolute stereochemistry.



RN 639490-14-5 CAPLUS
 CN 2-Benzofurancarboxamide, 5-methoxy-N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

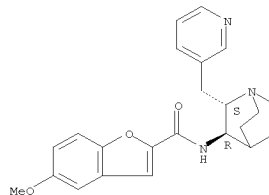
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-16-7 CAPLUS
 CN 2-Benzofurancarboxamide, 5-methoxy-N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

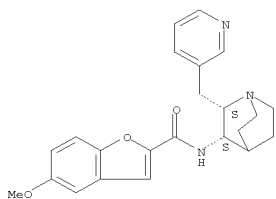
Absolute stereochemistry.



RN 639490-18-9 CAPLUS
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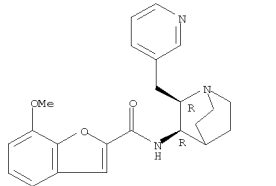
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



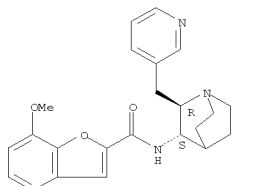
RN 639490-21-4 CAPLUS
 CN 2-Benzofurancarboxamide, 7-methoxy-N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 639490-23-6 CAPLUS
 CN 2-Benzofurancarboxamide, 7-methoxy-N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

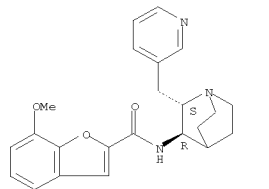
Absolute stereochemistry.



L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

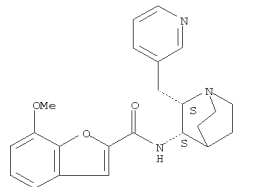
RN 639490-25-8 CAPLUS
 CN 2-Benzofurancarboxamide, 7-methoxy-N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 639490-27-0 CAPLUS
 CN 2-Benzofurancarboxamide, 7-methoxy-N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



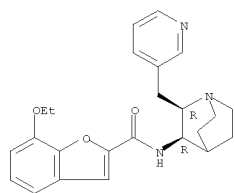
RN 639490-29-2 CAPLUS
 CN 2-Benzofurancarboxamide, 7-methoxy-N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

10500096>

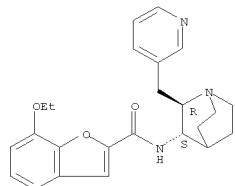
03/30/2008

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-31-6 CAPLUS
 CN 2-Benzofurancarboxamide, 7-ethoxy-N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

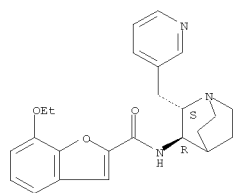
Absolute stereochemistry.



RN 639490-33-8 CAPLUS
 CN 2-Benzofurancarboxamide, 7-ethoxy-N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

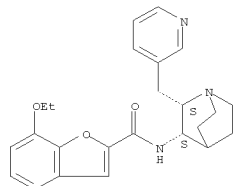
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-35-0 CAPLUS
 CN 2-Benzofurancarboxamide, 7-ethoxy-N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

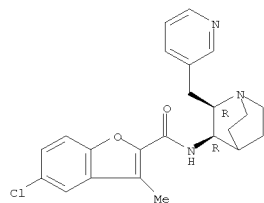
Absolute stereochemistry.



RN 639490-37-2 CAPLUS
 CN 2-Benzofurancarboxamide, 5-chloro-3-methyl-N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

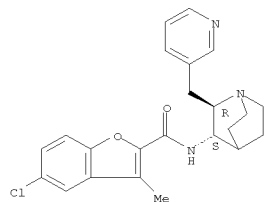
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-40-7 CAPLUS
 CN 2-Benzofurancarboxamide, 5-chloro-3-methyl-N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

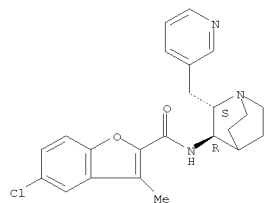
Absolute stereochemistry.



RN 639490-43-0 CAPLUS
 CN 2-Benzofurancarboxamide, 5-chloro-3-methyl-N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

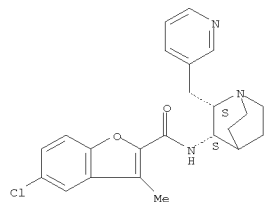
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-45-2 CAPLUS
 CN 2-Benzofurancarboxamide, 5-chloro-3-methyl-N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



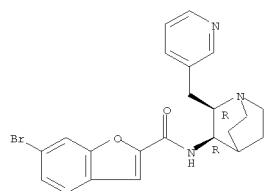
RN 639490-47-4 CAPLUS
 CN 2-Benzofurancarboxamide, 6-bromo-N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

10500096>

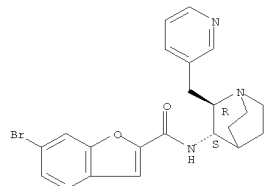
03/30/2008

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-49-6 CAPLUS
 CN 2-Benzofurancarboxamide, 6-bromo-N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

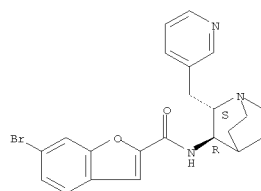
Absolute stereochemistry.



RN 639490-51-0 CAPLUS
 CN 2-Benzofurancarboxamide, 6-bromo-N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

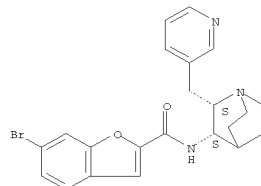
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-53-2 CAPLUS
 CN 2-Benzofurancarboxamide, 6-bromo-N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

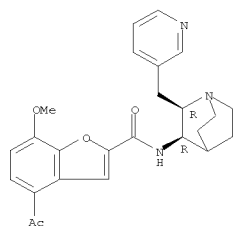
Absolute stereochemistry.



RN 639490-55-4 CAPLUS
 CN 2-Benzofurancarboxamide, 4-acetyl-7-methoxy-N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

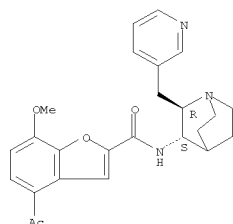
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-57-6 CAPLUS
 CN 2-Benzofurancarboxamide, 4-acetyl-7-methoxy-N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

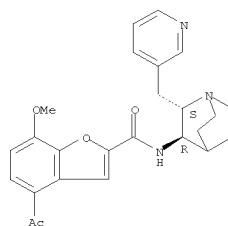
Absolute stereochemistry.



RN 639490-59-8 CAPLUS
 CN 2-Benzofurancarboxamide, 4-acetyl-7-methoxy-N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

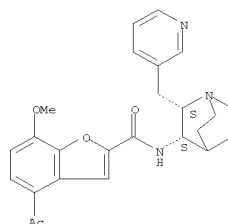
Absolute stereochemistry.

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-61-2 CAPLUS
 CN 2-Benzofurancarboxamide, 4-acetyl-7-methoxy-N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

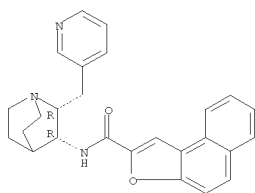


RN 639490-72-5 CAPLUS
 CN Naphtho[2,1-b]furan-2-carboxamide, N-[(2R,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

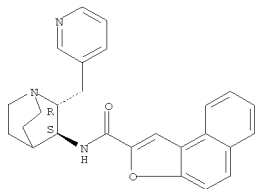
10500096>

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-74-7 CAPLUS
 CN Naphtho[2,1-b]furan-2-carboxamide, N-[(2R,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

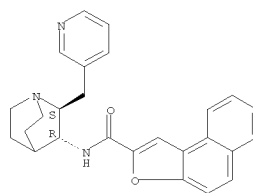


RN 639490-76-9 CAPLUS
 CN Naphtho[2,1-b]furan-2-carboxamide, N-[(2S,3R)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

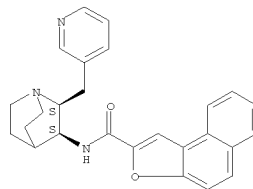
03/30/2008

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 639490-78-1 CAPLUS
 CN Naphtho[2,1-b]furan-2-carboxamide, N-[(2S,3S)-2-(3-pyridinylmethyl)-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



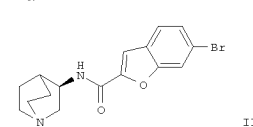
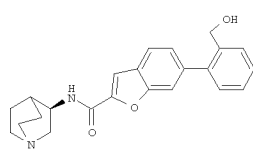
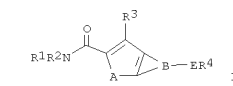
REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:991508 CAPLUS
 DOCUMENT NUMBER: 140:42022
 TITLE: Preparation of 2-heteroaryl carboxamides for the treatment and/or the prophylaxis of diseases
 effecting
 INVENTOR(S): memory
 Luithle, Joachim; Boess, Frank-Gerhard; Erb, Christina; Hafner, Frank-Thorsten; Schnizler, Katrin; Flessner, Timo; Van Kampen, Marja; Van Der Staay, Franz-Josef
 PATENT ASSIGNEE(S): Bayer Healthcare A.-G., Germany
 SOURCE: PCT Int. Appl., 239 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003104227	A1	20031218	WO 2003-EP5735	20030602
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10257078	A1	20040624	DE 2002-10257078	20021206
DE 10257537	A1	20040701	DE 2002-10257537	20021210
DE 10305922	A1	20040304	DE 2003-10305922	20030213
CA 2488761	A1	20031218	CA 2003-2488761	20030602
AU 2003238450	A1	20031222	AU 2003-238450	20030602
EP 1515967	A1	20050323	EP 2003-732517	20030602
EP 1515967	B1	20061102		
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BR 2003012446	A	20050419	BR 2003-12446	20030602
CN 1675204	A	20050928	CN 2003-818851	20030602
JP 2005533052	T	20051104	JP 2004-511297	20030602
AT 344262	T	20061115	AT 2003-732517	20030602
ES 2276072	T3	20070616	ES 2003-732517	20030602
ZA 2004009883	A	20060222	ZA 2004-9883	20041207
MX 2004PA12439	A	20050419	MX 2004-PA12439	20041209
NO 2005000063	A	20050106	NO 2005-63	20050106
US 2006160877	A1	20060720	US 2006-516777	20060113
PRIORITY APPLN. INFO.:			DE 2002-10225536	A 20020610
			DE 2002-10257078	A 20021206
			DE 2002-10257537	A 20021210
			DE 2003-10305922	A 20030213
			WO 2003-EP5735	W 20030602

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 OTHER SOURCE(S): MARPAT 140:42022
 GI



AB The invention relates to the novel 2-heteroaryl carboxamides I [R1 = 1-azabicyclo[2.2.2]oct-3-yl, (optionally replaced via the nitrogen atom by

a group selected from the family C1-4-alkyl, benzyl and oxy); R2 = H, C1-6-alkyl; R3 = H, halogen, C1-6-alkyl; R4 = H, halogen, CN, NH2, CF3, OCF3, C1-6-alkyl, C1-6-alkylcarbonyl, C1-6-alkylamino, CHO, CO2H, C1-6-alkoxy, C1-6-alkoxycarbonyl, C1-6-alkylthio, C1-6-alkylcarbonylamino,

C1-6-alkylaminocarbonyl, C1-4-alkylsulfonylamino, C3-8-cycloalkylcarbonylamino, C3-6-cycloalkylaminocarbonyl, pyrrollyl, C1-6-alkylaminocarbonyl, heterocyclylcarbonyl, heterocyclylcarbonylamino, heteroarylcarbonylamino, OH, Ph, heterocyclyl; A = O, S; the ring B = benzo or pyrido (optionally replaced by the groups from the family of halogen, cyano, formyl, trifluoromethyl, trifluoromethoxy, nitro, amino, C1-6-alkyl and C1-6-alkoxy); E = C=C, aryl and heteroaryl, (wherein aryl and heteroaryl may be replaced by groups from the family of halogen, cyano, trifluoromethyl, trifluoromethoxy, nitro, amino, C1-6-alkoxy and C1-6-alkyl)] and to the solvates, salts or solvates of salts of said compds. Thus, carboxamide II was prepared from carboxamide III via coupling with 2-(HOCH2)C6H4B(OH)2 in aqueous DMF containing NaOH and catalytic [1,1'-bis(diphenylphosphino)ferrocene]palladium(II) chloride. The invention also relates to the use of said compds. in the production of drugs

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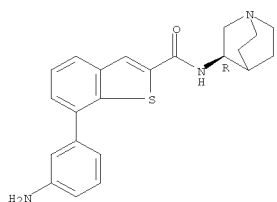
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
for and treatment and/or the prophylaxis of diseases for improving
perception, power of concn., learning power and/or retentiveness of
memory. The affinity of I for α -nicotinic acetylcholine receptor
(via inhibition of [3H]Methyllycaconitine binding in rat brain membranes)
was detd. [K_i = 1.6 nM (I·HCl; R₁ = (R)-1-azabicyclo[2.2.2]oct-3-yl,
R₂ = R₃ = H, A = S, B = benzo; 7-ER₄ = 4-(hydroxymethyl)phenyl]; K_i =
<1 nM (I·2HCl; R₁ = (R)-1-azabicyclo[2.2.2]oct-3-yl, R₂ = R₃ = H, A
= S, B = benzo; 7-ER₄ = 2-(aminomethyl)phenyl]; K_i = <0.1 nM
(I·HCl; R₁ = (R)-1-azabicyclo[2.2.2]oct-3-yl, R₂ = R₃ = H, A = S, B
= benzo; 7-ER₄ = 3-carboxyphenyl]; K_i = 3 nM (I·HCl; R₁ =
(R)-1-azabicyclo[2.2.2]oct-3-yl, R₂ = R₃ = H, A = O, B = benzo; 7-ER₄ =
3-(cyclopropylaminocarbonyl)phenyl].

IT 634903-28-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation and N-acylation of; preparation of 2-heteroaryl
carboxamides for the treatment and/or the prophylaxis of diseases effecting memory and
perception)

RN 634903-28-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 7-(3-aminophenyl)-N-(3R)-1-
azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

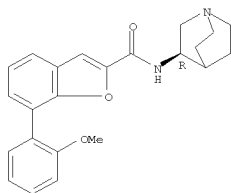


● HCl

IT 634904-39-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation and N-oxidation or acid addition salt formation of;
preparation of
2-heteroaryl carboxamides for the treatment and/or the prophylaxis of
diseases effecting memory and perception)

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



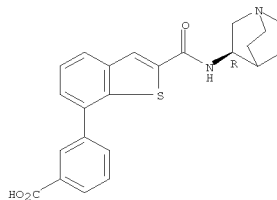
● HCl

IT 634903-83-6P 634904-58-8P 634904-62-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation and amidation of; preparation of 2-heteroaryl
carboxamides for the treatment and/or the prophylaxis of diseases effecting memory and
perception)

RN 634903-83-6 CAPLUS
CN Benzoic acid, 3-[2-[[[(3R)-1-azabicyclo[2.2.2]oct-3-ylamino]carbonyl]benzo[b]thien-7-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

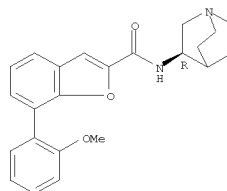
RN 634904-58-8 CAPLUS
CN Benzoic acid, 3-[2-[[[(3R)-1-azabicyclo[2.2.2]oct-3-ylamino]carbonyl]-7-

saeed

03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
RN 634904-39-5 CAPLUS
CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-
methoxyphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



IT 634904-11-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

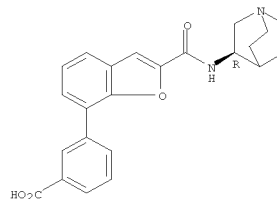
(preparation and O-demethylation, N-alkylation or free base fromation
of;
preparation of 2-heteroaryl carboxamides for the treatment and/or the
prophylaxis of diseases effecting memory and perception)

RN 634904-11-3 CAPLUS
CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-
methoxyphenyl)-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
benzofuranyl]-, monohydrochloride (9CI) (CA INDEX NAME)

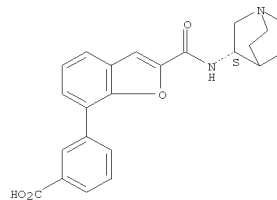
Absolute stereochemistry.



● HCl

RN 634904-62-4 CAPLUS
CN Benzoic acid, 3-[2-[[[(3S)-1-azabicyclo[2.2.2]oct-3-ylamino]carbonyl]-7-
benzofuranyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

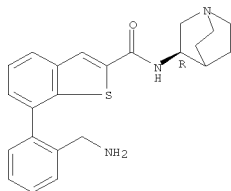
IT 634903-81-4P 634904-40-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(preparation and carbamylation of, with isocyanates; preparation of
2-heteroaryl
carboxamides for the treatment and/or the prophylaxis of diseases
effecting memory and perception)

Page 21

10500096>

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 634903-81-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-[2-(aminomethyl)phenyl]-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

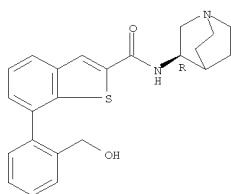
Absolute stereochemistry.



● 2 HCl

RN 634904-40-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

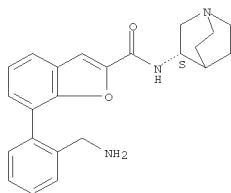
Absolute stereochemistry.



● HCl

IT 634904-61-3P 634904-89-5P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

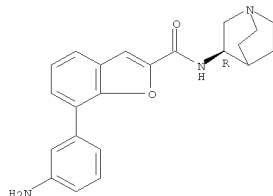
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

IT 634904-23-7P 634904-41-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation and carbamylation or N-acylation of; preparation of
 2-heteroaryl
 carboxamides for the treatment and/or the prophylaxis of diseases
 effecting memory and perception)
 RN 634904-23-7 CAPLUS
 CN 2-Benzofurancarboxamide,
 7-(3-aminophenyl)-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-
 (CA INDEX NAME)

Absolute stereochemistry.



RN 634904-41-9 CAPLUS
 CN 2-Benzofurancarboxamide,
 7-(2-aminophenyl)-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-
 (CA INDEX NAME)

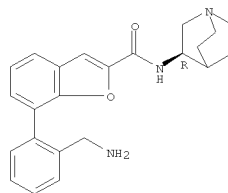
Absolute stereochemistry.

saeed

03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (prepn. and carbamylation of; prepn. of 2-heteroaryl carboxamides for
 the treatment and/or the prophylaxis of diseases effecting memory and
 perception)
 RN 634904-61-3 CAPLUS
 CN 2-Benzofurancarboxamide, 7-[2-(aminomethyl)phenyl]-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

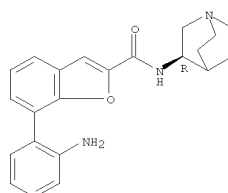


● 2 HCl

RN 634904-89-5 CAPLUS
 CN 2-Benzofurancarboxamide, 7-[2-(aminomethyl)phenyl]-N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

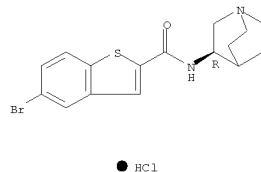
Absolute stereochemistry.

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



IT 550998-72-6P 550998-99-7P 550999-06-9P
 550999-27-4P 550999-37-6P 550999-43-4P
 634905-17-2P 634905-19-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and coupling reactions of, with boronates; preparation of
 2-heteroaryl carboxamides for the treatment and/or the prophylaxis of
 diseases effecting memory and perception)
 RN 550998-72-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



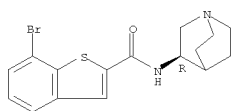
● HCl

RN 550998-99-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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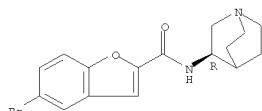
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 550999-06-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

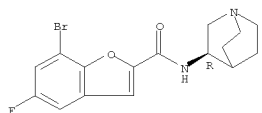
Absolute stereochemistry.



● HCl

RN 550999-27-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-5-fluoro- (CA INDEX NAME)

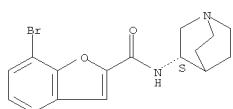
Absolute stereochemistry.



RN 550999-37-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bromo- (CA INDEX NAME)

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo- (CA INDEX NAME)

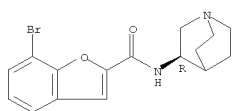
Absolute stereochemistry. Rotation (-).



IT 550999-35-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and coupling reactions of; preparation of 2-heteroaryl carboxamides
 for the treatment and/or the prophylaxis of diseases effecting memory and perception)

RN 550999-35-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



IT 551938-28-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and cyclocondensation reactions of; preparation of 2-heteroaryl carboxamides for the treatment and/or the prophylaxis of diseases effecting memory and perception)

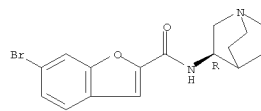
RN 551938-28-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[(hydroxyamino)iminomethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

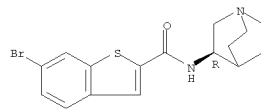
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



RN 550999-43-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

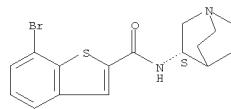
Absolute stereochemistry.



● HCl

RN 634905-17-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

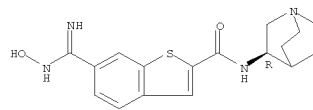
Absolute stereochemistry.



● HCl

RN 634905-19-4 CAPLUS

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

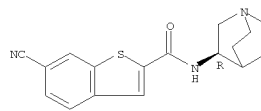


● 2 HCl

IT 550999-96-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction or, with hydroxylamine; preparation of 2-heteroaryl carboxamides for the treatment and/or the prophylaxis of diseases effecting memory and perception)

RN 550999-96-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-cyano-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

IT 634905-18-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reductive amination of, with morpholine; preparation of 2-heteroaryl carboxamides for the treatment and/or the prophylaxis of diseases effecting memory and perception)

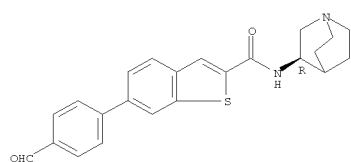
RN 634905-18-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(4-formylphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

IT 634903-05-2P 634903-07-4P 634903-10-9P
 634903-11-0P 634903-12-1P 634903-13-2P
 634903-14-3P 634903-15-4P 634903-16-5P
 634903-17-6P 634903-18-7P 634903-19-8P
 634903-20-1P 634903-21-2P 634903-22-3P
 634903-23-4P 634903-24-5P 634903-25-6P
 634903-26-7P 634903-27-8P 634903-29-0P
 634903-30-3P 634903-31-4P 634903-32-5P
 634903-33-6P 634903-34-7P 634903-35-8P
 634903-36-9P 634903-37-0P 634903-38-1P
 634903-39-2P 634903-40-5P 634903-41-6P
 634903-42-7P 634903-43-8P 634903-44-9P
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 634903-48-3P 634903-49-4P 634903-50-7P
 634903-51-8P 634903-52-9P 634903-53-0P
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 634903-57-4P 634903-58-5P 634903-59-6P
 634903-60-9P 634903-61-0P 634903-62-1P
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 634903-87-0P 634903-88-1P 634903-89-2P
 634903-90-5P 634903-91-6P 634903-92-7P
 634903-93-8P 634903-94-9P 634903-95-0P
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 634904-14-6P 634904-15-7P 634904-16-8P
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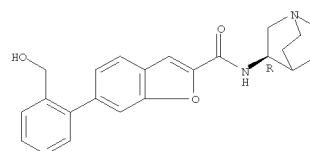
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

634904-24-8P 634904-25-9P 634904-26-0P
 634904-27-1P 634904-28-2P 634904-29-3P
 634904-30-6P 634904-31-7P 634904-32-8P
 634904-33-9P 634904-34-0P 634904-35-1P
 634904-36-2P 634904-37-3P 634904-38-4P
 634904-39-5DP, free base, salt and/or solvate 634904-42-0P
 634904-43-1P 634904-44-2P 634904-45-3P
 634904-46-4P 634904-47-5P 634904-48-6P
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 634904-84-0P 634904-85-1P 634904-87-3P
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 634904-92-0P 634904-93-1P 634904-94-2P
 634904-95-3P 634904-96-4P 634904-97-5P
 634904-98-6P 634904-99-7P 634905-00-3P
 634905-01-4P 634905-02-5P 634905-03-6P
 634905-04-7P 634905-05-8P 634905-06-9P
 634905-08-1P 634905-22-9DP, free base, salt and/or
 solvate 634905-23-0DP, free base, salt and/or solvate
 634905-24-1DP, free base, salt and/or solvate
 634905-25-2DP, free base, salt and/or solvate
 634905-26-3DP, free base, salt and/or solvate
 634905-27-4DP, free base, salt and/or solvate
 RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(prepn. of 2-heteroaryl carboxamides for the treatment and/or the
 prophylaxis of diseases affecting memory and perception)

RN 634903-05-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[2-
 (hydroxymethyl)phenyl]- (CA INDEX NAME)

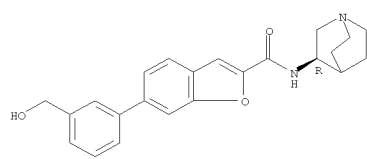
Absolute stereochemistry.



L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

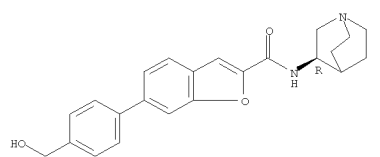
RN 634903-07-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[3-
 (hydroxymethyl)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



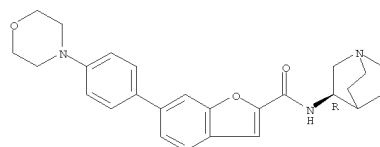
RN 634903-10-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[4-
 (hydroxymethyl)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 634903-11-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[4-(4-
 morpholinyl)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



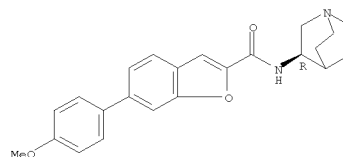
RN 634903-12-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[4-
 (trifluoromethoxy)phenyl]- (CA INDEX NAME)

saeed

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

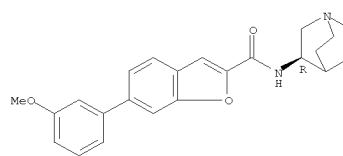
methoxyphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



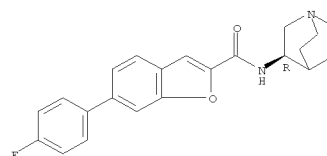
RN 634903-13-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(3-
 methoxyphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



RN 634903-14-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(4-
 fluorophenyl)- (CA INDEX NAME)

Absolute stereochemistry.

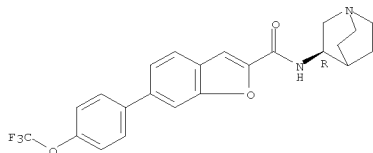


RN 634903-15-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[4-
 (trifluoromethoxy)phenyl]- (CA INDEX NAME)

10500096>

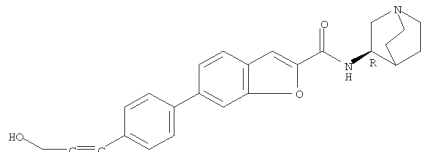
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



RN 634903-16-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[4-(3-hydroxy-1-propynyl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

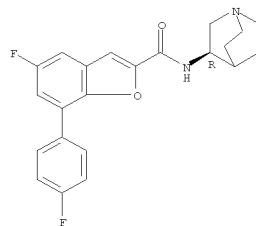


RN 634903-17-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-fluoro-7-(4-fluorophenyl)- (CA INDEX NAME)

Absolute stereochemistry.

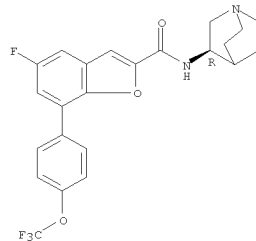
03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 634903-18-7 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-fluoro-7-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)

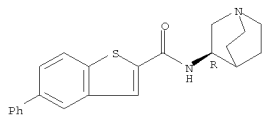
Absolute stereochemistry.



RN 634903-19-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

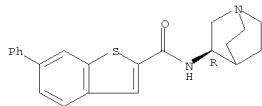
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-20-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

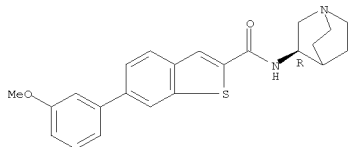
Absolute stereochemistry.



● HCl

RN 634903-21-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(3-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

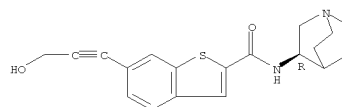


● HCl

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

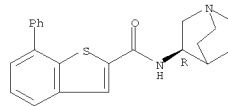
RN 634903-22-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(3-hydroxy-1-propynyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 634903-23-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



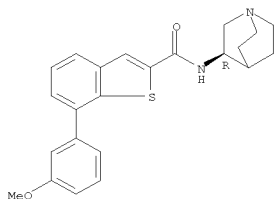
● HCl

RN 634903-24-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

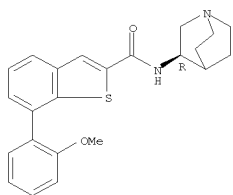
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-25-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



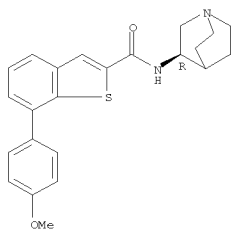
● HCl

RN 634903-26-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(4-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

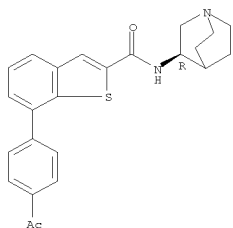
Absolute stereochemistry.



● HCl

RN 634903-30-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-(4-acetylphenyl)-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



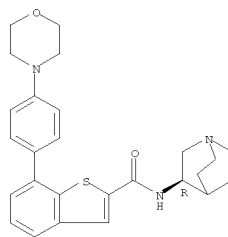
● HCl

RN 634903-31-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(4-formylphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

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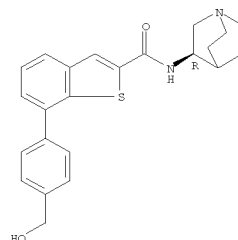
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-27-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

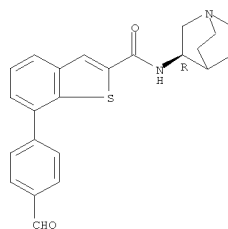


● HCl

RN 634903-29-0 CAPLUS

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

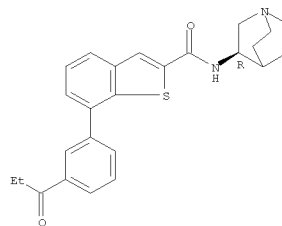
Absolute stereochemistry.



● HCl

RN 634903-32-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(1-oxopropyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

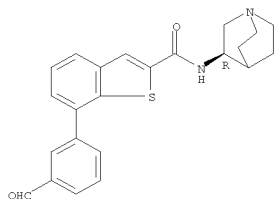
RN 634903-33-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-formylphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Page 26

10500096>

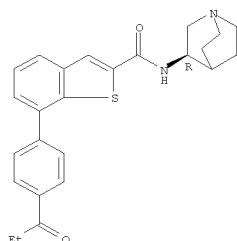
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-34-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(1-oxopropyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

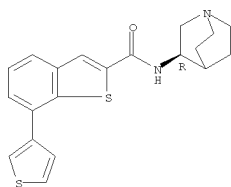
Absolute stereochemistry.



● HCl

RN 634903-35-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-(3-acetylphenyl)-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

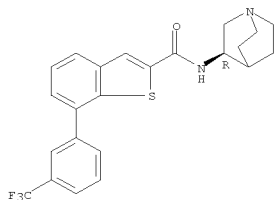
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-38-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(trifluoromethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



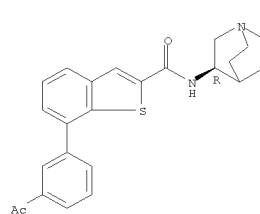
● HCl

RN 634903-39-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(4-fluorophenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

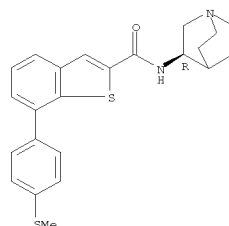
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-36-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(methylthio)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

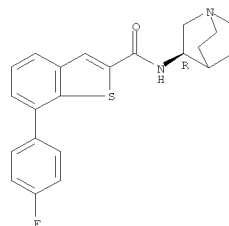
Absolute stereochemistry.



● HCl

RN 634903-37-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-thienyl)-, monohydrochloride (9CI) (CA INDEX NAME)

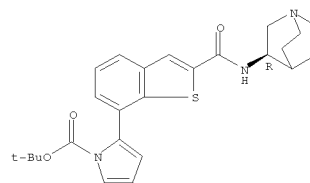
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-40-5 CAPLUS
 CN 1H-Pyrrole-1-carboxylic acid, 2-[2-[[[(3R)-1-azabicyclo[2.2.2]oct-3-ylamino]carbonyl]benzo[b]thien-7-yl]-, 1,1-dimethylethyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



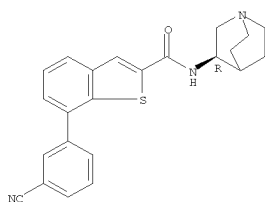
● HCl

RN 634903-41-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-cyanophenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

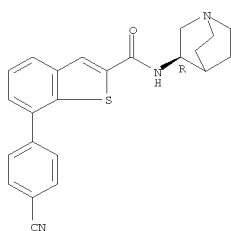
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-42-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(4-cyanophenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

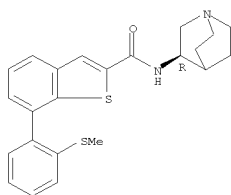
Absolute stereochemistry.



● HCl

RN 634903-43-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2,4-difluorophenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

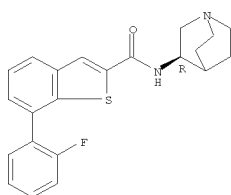
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-46-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-fluorophenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

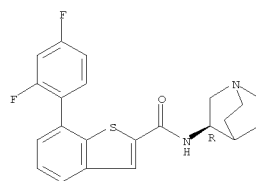


● HCl

RN 634903-47-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(methylthio)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

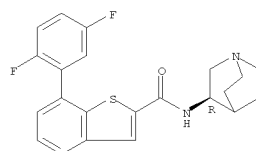
03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 Absolute stereochemistry.

● HCl

RN 634903-44-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2,5-difluorophenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

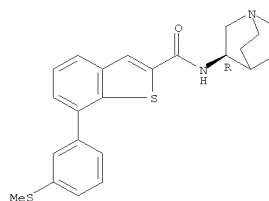


● HCl

RN 634903-45-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-(methylthio)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

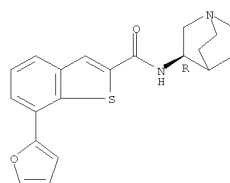
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-48-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-furanyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



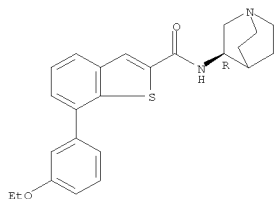
● HCl

RN 634903-49-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-ethoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

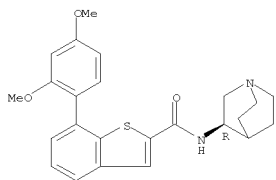
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-50-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide,
 N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2,4-
 dimethoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

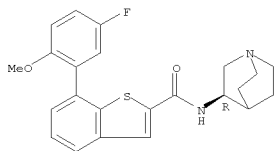


● HCl

RN 634903-51-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-(2-acetylphenyl)-N-(3R)-1-
 azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

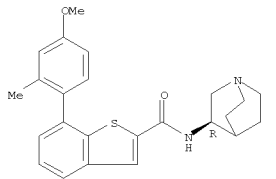
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-54-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(4-
 methoxy-2-methylphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



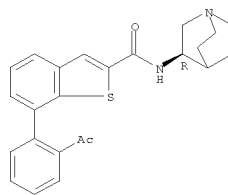
● HCl

RN 634903-55-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(5-
 fluoro-2-methylphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

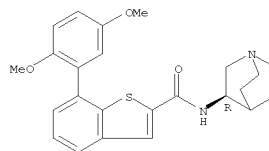
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-52-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide,
 N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2,5-
 dimethoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

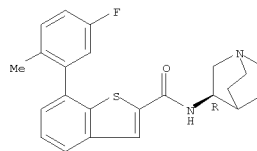


● HCl

RN 634903-53-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(5-
 fluoro-2-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

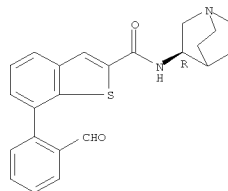
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-56-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-
 formylphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



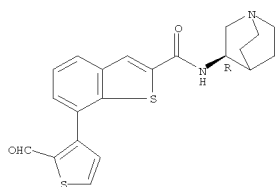
● HCl

RN 634903-57-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-
 formyl-3-thienyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

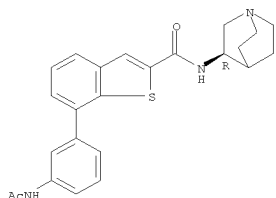
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-58-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-[3-(acetylamino)phenyl]-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

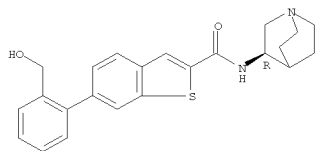


● HCl

RN 634903-59-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[4-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

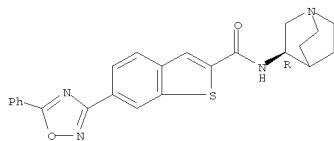
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-62-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(5-phenyl-1,2,4-oxadiazol-3-yl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



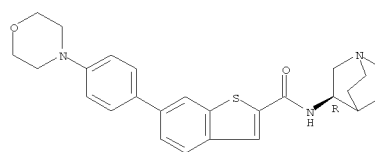
● HCl

RN 634903-63-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[5-(phenylmethyl)-1,2,4-oxadiazol-3-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

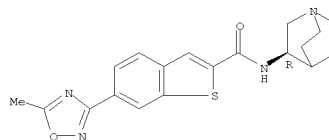
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-60-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

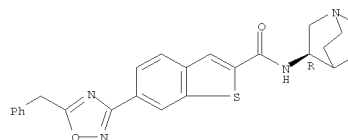


● HCl

RN 634903-61-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[2-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

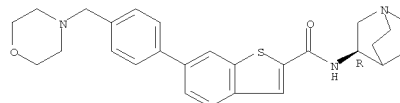
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-64-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[4-(4-morpholinylmethyl)phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



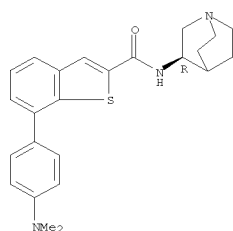
● 2 HCl

RN 634903-65-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(dimethylamino)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



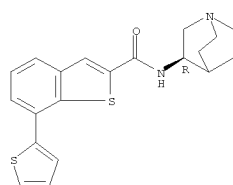
● HCl

RN 634903-67-6 CAPLUS
 CN Formic acid, compd. with N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-thienyl)benzo[b]thiophene-2-carboxamide (1:1) (CA INDEX NAME)

CM 1

CRN 634903-66-5
 CMF C20 H20 N2 O S2

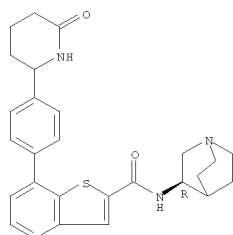
Absolute stereochemistry.



CM 2

CRN 64-18-6
 CMF C H2 O2

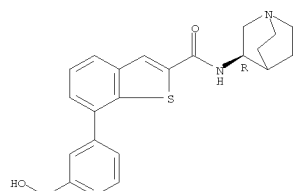
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-70-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 634903-71-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

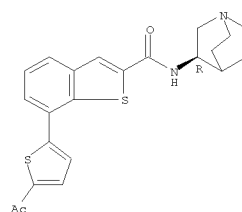
03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

O=CH-OH

RN 634903-68-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-(5-acetyl-2-thienyl)-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

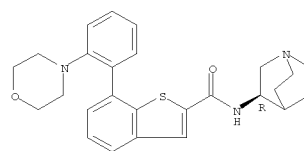


● HCl

RN 634903-69-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(6-oxo-2-piperidinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

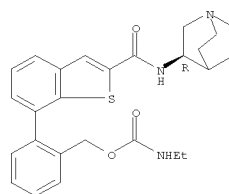
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-72-3 CAPLUS
 CN Carbamic acid, ethyl-, [2-[2-[[[(3R)-1-azabicyclo[2.2.2]oct-3-ylamino]carbonyl]benzo[b]thien-7-yl]phenyl]methyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



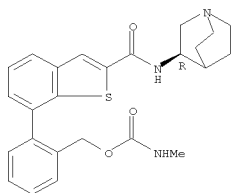
● HCl

RN 634903-73-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[[[(methylamino)carbonyl]oxy]methyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

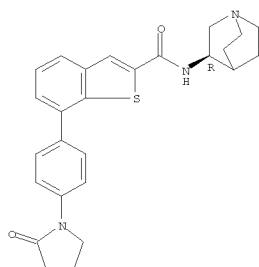
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-74-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(2-oxo-1-pyrrolidinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



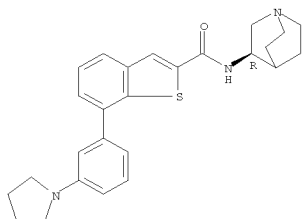
● HCl

RN 634903-75-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(1-piperazinyl)phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(1-pyrrolidinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

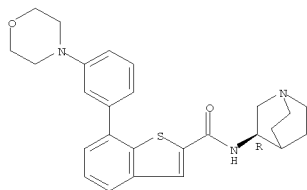
Absolute stereochemistry.



● HCl

RN 634903-78-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

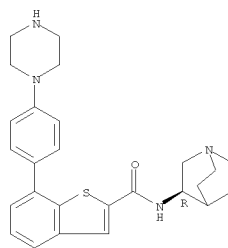
RN 634903-79-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(1-pyrrolidinyl)phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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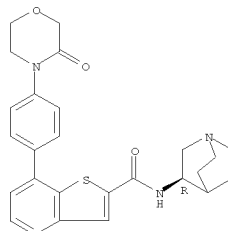
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



●2 HCl

RN 634903-76-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(3-oxo-4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

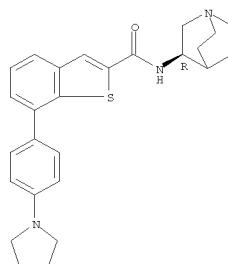
Absolute stereochemistry.



● HCl

RN 634903-77-8 CAPLUS

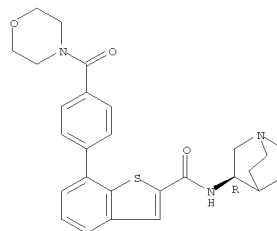
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



●2 HCl

RN 634903-80-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(4-morpholinylcarbonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

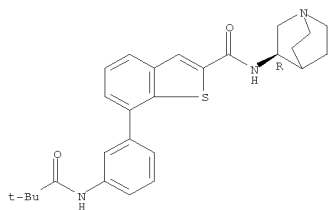
RN 634903-82-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(2,2-dimethyl-1-oxopropyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Page 32

10500096>

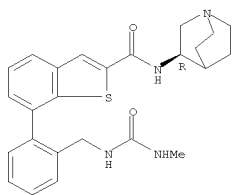
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-84-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-
 [[[(methylamino)carbonyl]amino]methyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

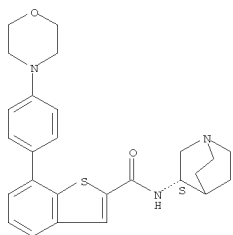


● HCl

RN 634903-85-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-
 (1H-pyrrol-1-yl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

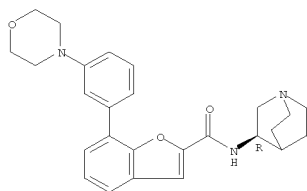
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-88-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(4-
 morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



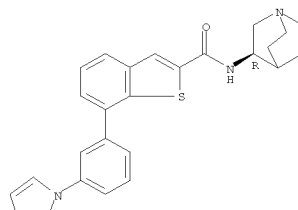
● HCl

RN 634903-89-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-
 [(methoxyacetyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

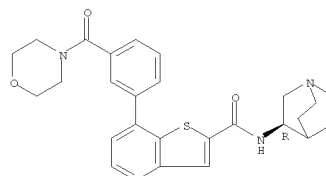
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-86-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-
 (4-morpholinylcarbonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

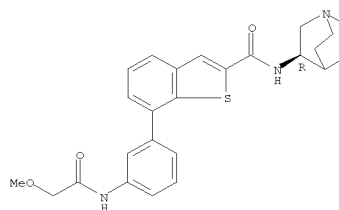


● HCl

RN 634903-87-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-
 (4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

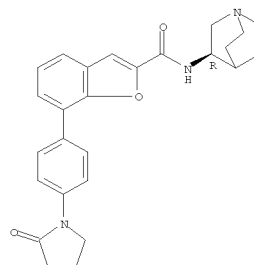
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-90-5 CAPLUS
 CN 2-Benzofurancarboxamide,
 N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(2-oxo-1-
 pyrrolidinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



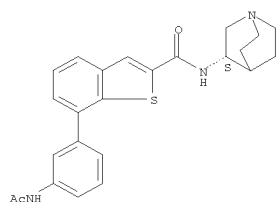
● HCl

RN 634903-91-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-[3-(acetylaminophenyl)-N-(3S)-1-
 azabicyclo[2.2.2]oct-3-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

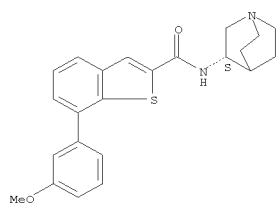
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-92-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

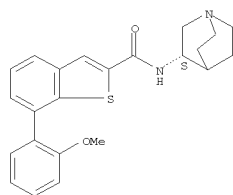


● HCl

RN 634903-93-8 CAPLUS
 CN Benzoic acid, 4-[2-[[(3R)-1-azabicyclo[2.2.2]oct-3-ylamino]carbonyl]-7-benzofuranyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

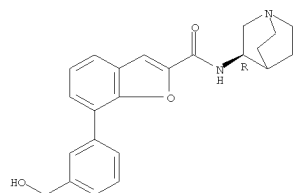
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-96-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



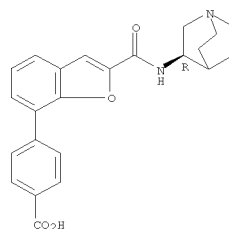
● HCl

RN 634903-97-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(3-oxo-4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

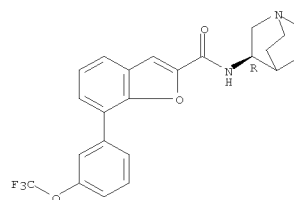
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-94-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(trifluoromethoxy)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

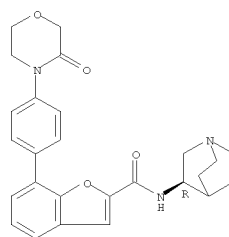


● HCl

RN 634903-95-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

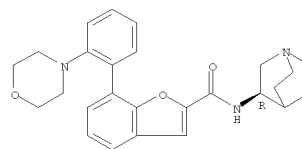
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634903-98-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



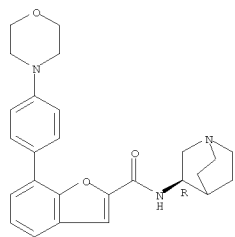
● HCl

RN 634903-99-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

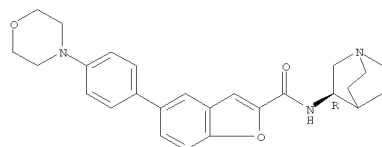
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-00-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-[4-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

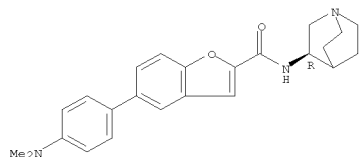


● HCl

RN 634904-01-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-[4-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

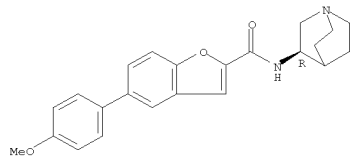
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-06-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-(4-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



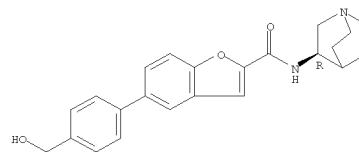
● HCl

RN 634904-07-7 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-(3-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

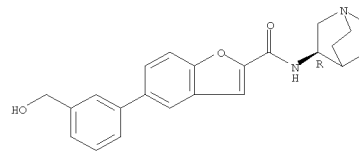
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-02-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-[3-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

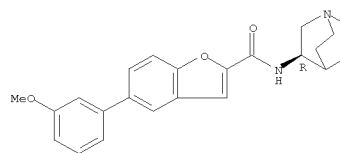


● HCl

RN 634904-03-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-[4-(dimethylamino)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

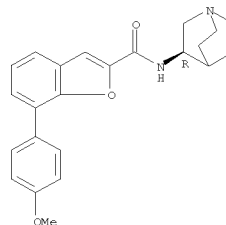
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-08-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(4-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



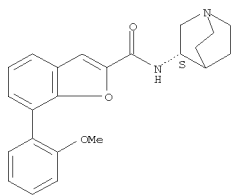
● HCl

RN 634904-09-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

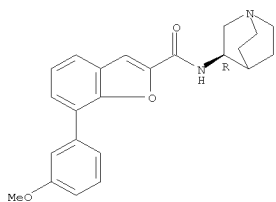
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-10-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

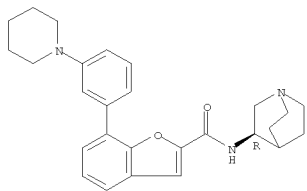


● HCl

RN 634904-12-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(4-methoxy-3-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

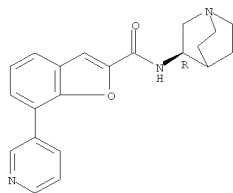
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● 2 HCl

RN 634904-15-7 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-pyridinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



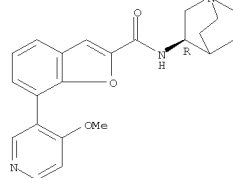
● 2 HCl

RN 634904-16-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[(methylamino)carbonyl]amino]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

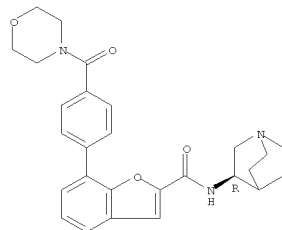
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-13-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(4-morpholinylcarbonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

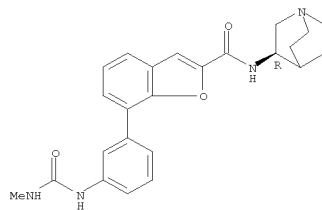


● HCl

RN 634904-14-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(1-piperidinyl)phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

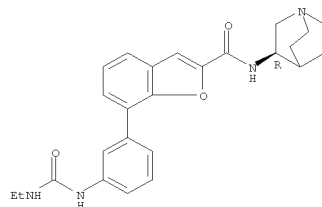
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-17-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[(ethylamino)carbonyl]amino]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

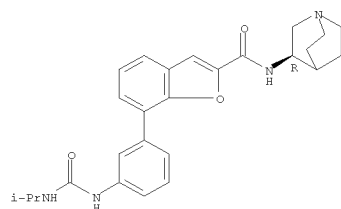
RN 634904-18-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[(1-methylethyl)amino]carbonyl]amino]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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03/30/2008

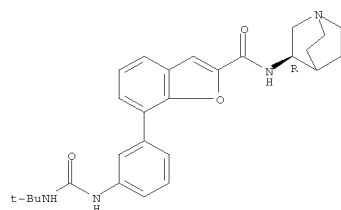
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-19-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[(1,1-dimethylethyl)amino]carbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

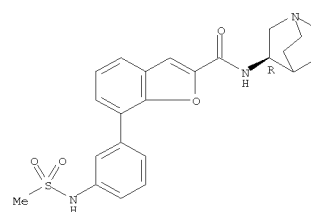
Absolute stereochemistry.



● HCl

RN 634904-20-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[methylsulfonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

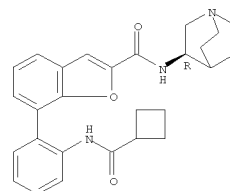
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-21-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[(cyclobutylcarbonyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

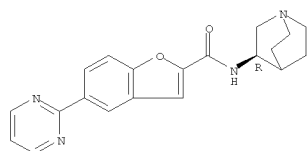
Absolute stereochemistry.



● HCl

RN 634904-22-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-(2-pyrimidinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

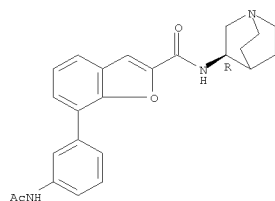
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-24-8 CAPLUS
 CN 2-Benzofurancarboxamide, 7-[3-(acetylamino)phenyl]-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

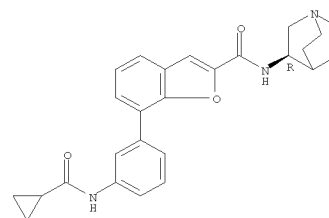


● HCl

RN 634904-25-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[cyclopropylcarbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

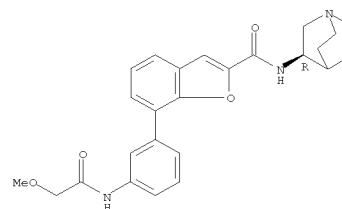
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-26-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[methoxyacetyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



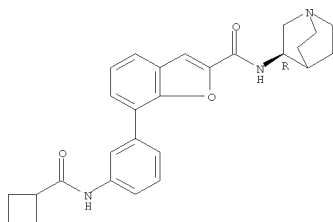
● HCl

RN 634904-27-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[cyclobutylcarbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

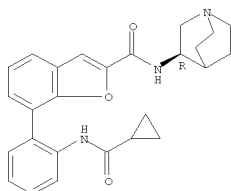
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-28-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[(cyclopropylcarbonyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

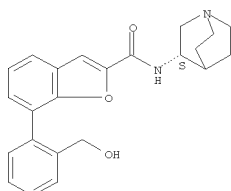


● HCl

RN 634904-29-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[(methoxyacetyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

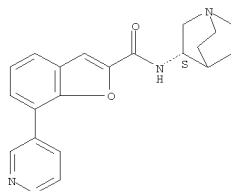
Absolute stereochemistry.



● HCl

RN 634904-32-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

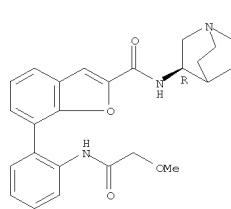


● HCl

RN 634904-33-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-(4-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

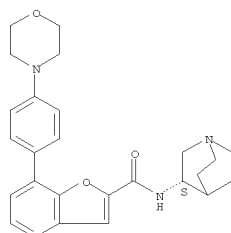
03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 Absolute stereochemistry.

● HCl

RN 634904-30-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

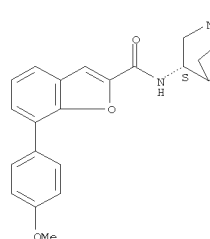
Absolute stereochemistry.



● HCl

RN 634904-31-7 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

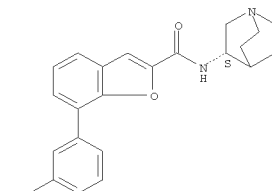
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-34-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-(3-methoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



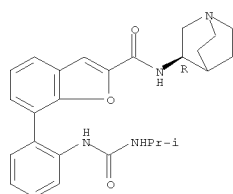
● HCl

RN 634904-35-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[[[(1-methylethyl)amino]carbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

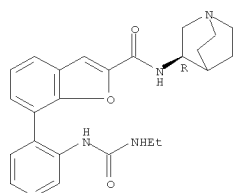
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-36-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[(ethylamino)carbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

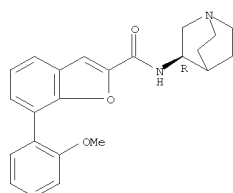
Absolute stereochemistry.



● HCl

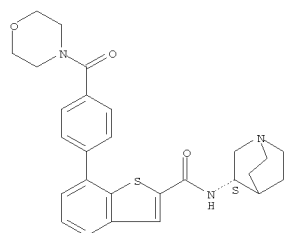
RN 634904-37-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[(methylamino)carbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 634904-42-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(4-morpholinylcarbonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

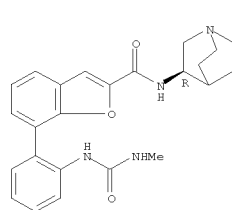


● HCl

RN 634904-43-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-(4-morpholinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

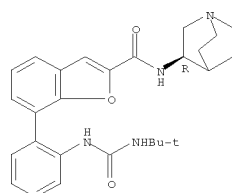
03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 Absolute stereochemistry.

● HCl

RN 634904-38-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[(1,1-dimethylethyl)amino]carbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

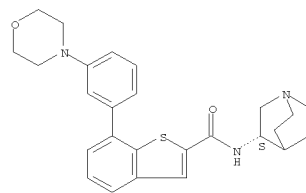


● HCl

RN 634904-39-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)- (CA INDEX NAME)

Absolute stereochemistry.

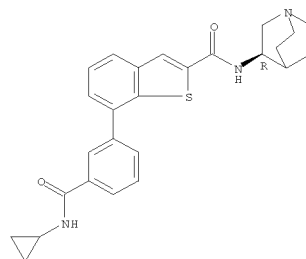
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-44-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(cyclopropylamino)carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



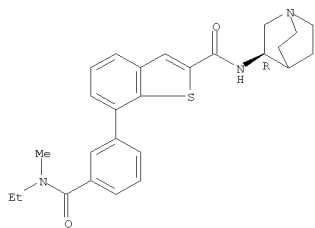
● HCl

RN 634904-45-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(ethylmethylamino)carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

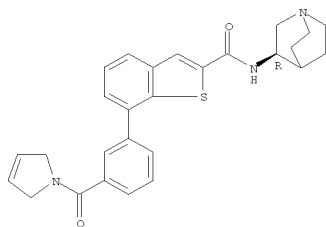
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-46-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(2,5-dihydro-1H-pyrrol-1-yl)carbonyl]phenyl]-, monohydrochloride (9CI)
 (CA INDEX NAME)

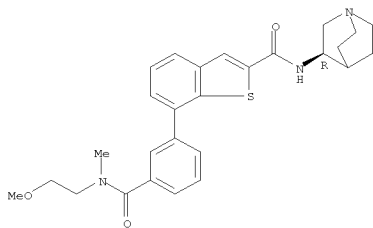
Absolute stereochemistry.



● HCl

RN 634904-47-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-

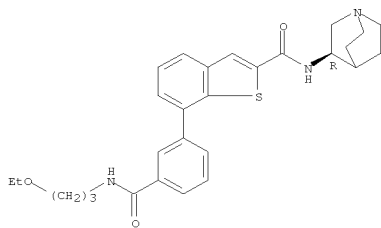
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-49-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[3-ethoxypropyl)amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 634904-50-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(4-methyl-1-piperazinyl)carbonyl]phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)

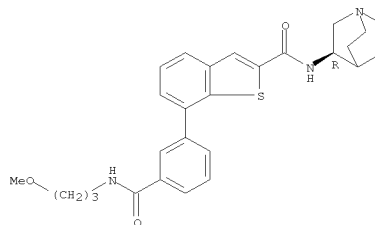
Absolute stereochemistry.

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L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 [[(3-methoxypropyl)amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

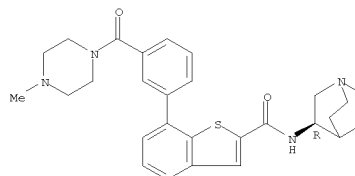


● HCl

RN 634904-48-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[2-methoxyethyl)methylamino]carbonyl]phenyl]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

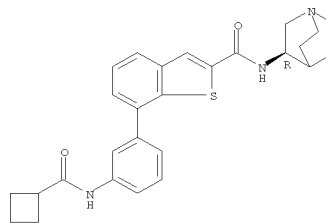
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● 2 HCl

RN 634904-51-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[cyclobutylcarbonyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

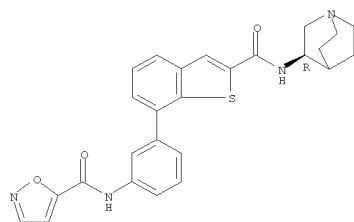
RN 634904-52-2 CAPLUS
 CN 5-Isoxazolecarboxamide, N-[3-[2-[[3-(3R)-1-azabicyclo[2.2.2]oct-3-ylamino]carbonyl]benzo[b]thien-7-yl]phenyl]-, monohydrochloride (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

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03/30/2008

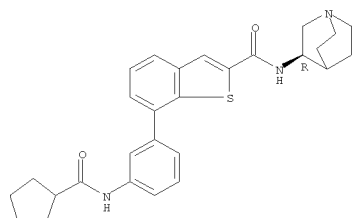
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634904-53-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(cyclopentylcarbonyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



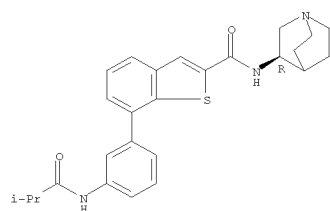
● HCl

RN 634904-54-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(2-methyl-1-oxopropyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 634904-56-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(2-methyl-1-oxopropyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

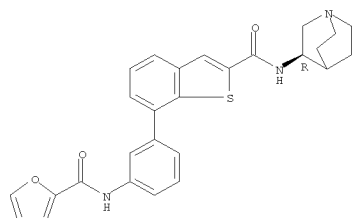
Absolute stereochemistry.



● HCl

RN 634904-57-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(2-furanylcarbonyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



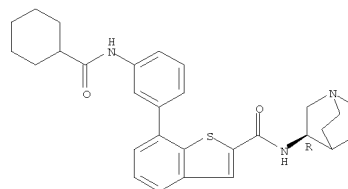
● HCl

RN 634904-59-9 CAPLUS

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L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 [(cyclohexylcarbonyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

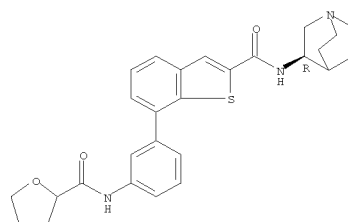
Absolute stereochemistry.



● HCl

RN 634904-55-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(tetrahydro-2-furanyl)carbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

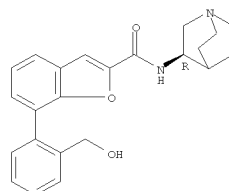


● HCl

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 634904-60-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-(hydroxymethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

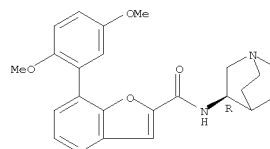
Absolute stereochemistry.



● HCl

RN 634904-60-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2,5-dimethoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



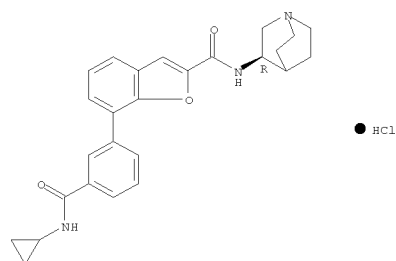
● HCl

RN 634904-63-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(cyclopropylamino)carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

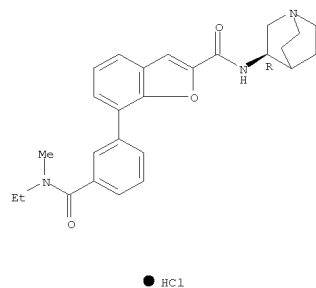
10500096>

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 634904-64-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(ethylmethylamino)carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

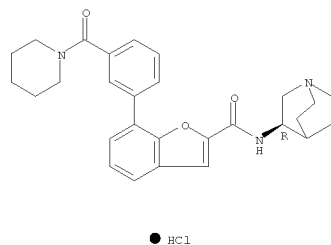
Absolute stereochemistry.



RN 634904-65-7 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(butylamino)carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

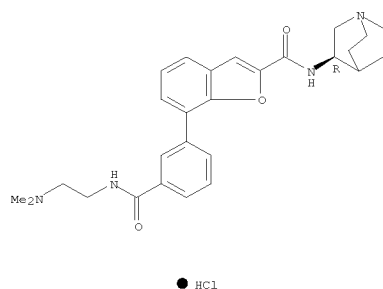
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(1-piperidinylcarbonyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



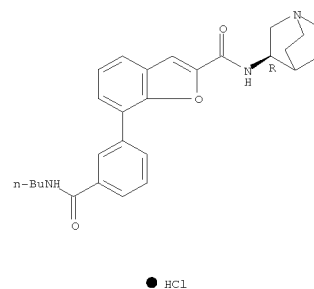
RN 634904-68-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[2-(dimethylamino)ethyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



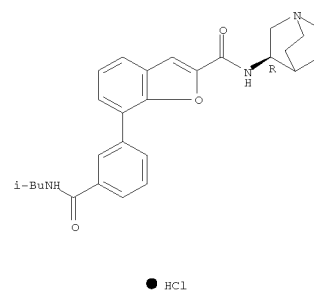
RN 634904-69-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[3-methoxypropyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
Absolute stereochemistry.

RN 634904-66-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[2-methylpropyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

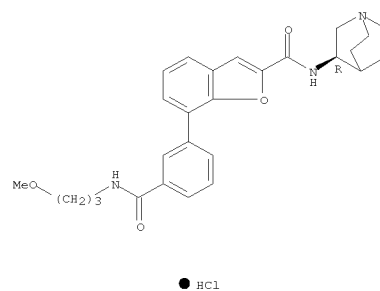
Absolute stereochemistry.



RN 634904-67-9 CAPLUS

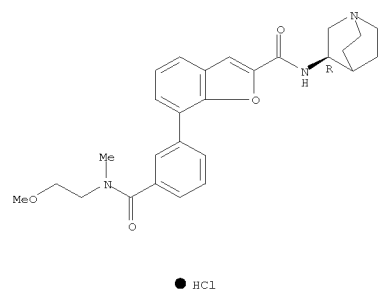
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



RN 634904-70-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[2-methoxyethyl]methylamino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

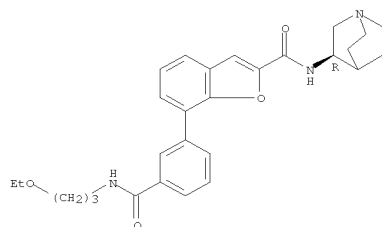


RN 634904-71-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[3-ethoxypropyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

10500096>

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

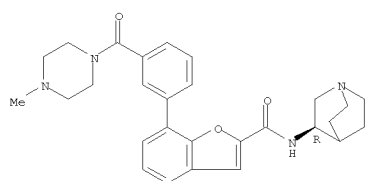
Absolute stereochemistry.



● HCl

RN 634904-72-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[4-methyl-1-piperazinyl]carbonyl]phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



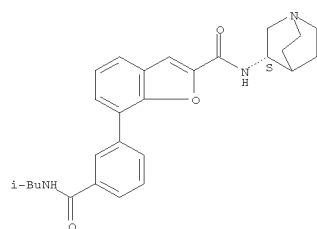
● 2 HCl

RN 634904-74-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[2-methylpropyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 634904-76-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[2-methylpropyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

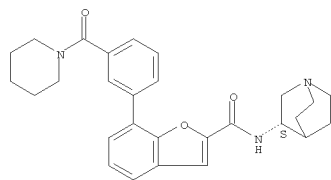
Absolute stereochemistry.



● HCl

RN 634904-78-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[1-piperidinyl]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

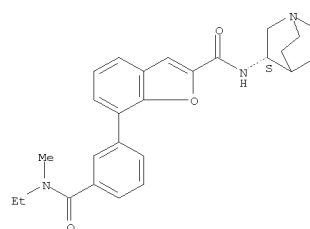
RN 634904-80-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[2-(dimethylamino)ethyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

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03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

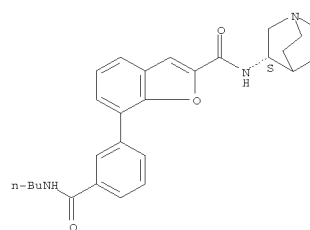
Absolute stereochemistry.



● HCl

RN 634904-75-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[4-methyl-1-piperazinyl]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

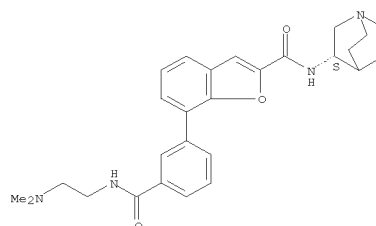
Absolute stereochemistry.



● HCl

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

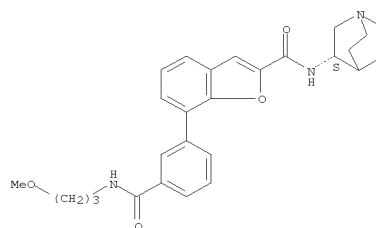
Absolute stereochemistry.



● HCl

RN 634904-82-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[3-methoxypropyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

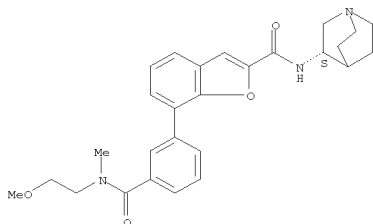
RN 634904-84-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[2-methoxyethyl]methylamino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Page 43

10500096>

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
INDEX NAME)

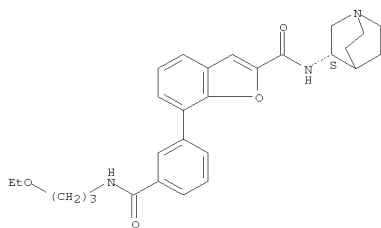
Absolute stereochemistry.



● HCl

RN 634904-85-1 CAPLUS
CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[[[(3-ethoxypropyl)amino]carbonyl]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

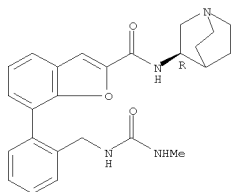


● HCl

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 634904-90-8 CAPLUS
CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[[[(methylamino)carbonyl]amino]methyl]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

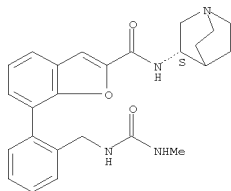
Absolute stereochemistry.



● HCl

RN 634904-91-9 CAPLUS
CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-[[[(methylamino)carbonyl]amino]methyl]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 634904-92-0 CAPLUS
CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(2,2-dimethyl-1-oxopropyl)amino]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

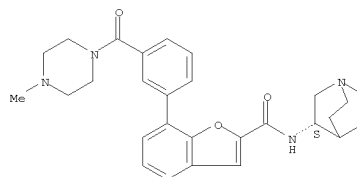
saeed

03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 634904-87-3 CAPLUS
CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(4-methyl-1-piperazinyl)carbonyl]phenyl]-], dihydrochloride (9CI) (CA INDEX NAME)

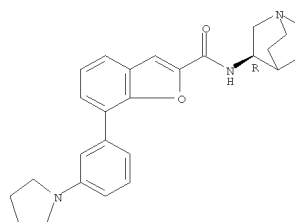
Absolute stereochemistry.



● 2 HCl

RN 634904-88-4 CAPLUS
CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(1-pyrrolidinyl)phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

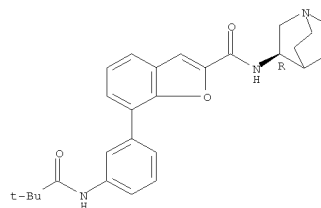
Absolute stereochemistry.



● HCl

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
INDEX NAME)

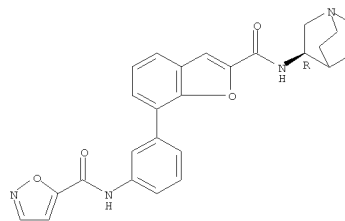
Absolute stereochemistry.



● HCl

RN 634904-93-1 CAPLUS
CN 5-Isoxazolecarboxamide, N-[3-[2-[[[(3R)-1-azabicyclo[2.2.2]oct-3-ylamino]carbonyl]-7-benzofuranyl]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

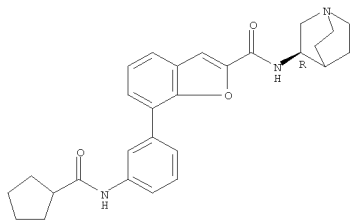
RN 634904-94-2 CAPLUS
CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-[(cyclopentylcarbonyl)amino]phenyl]-], monohydrochloride (9CI) (CA INDEX NAME)

Page 44

10500096>

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

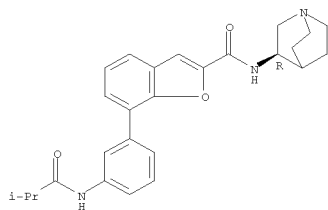
Absolute stereochemistry.



● HCl

RN 634904-95-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[(2-methyl-1-oxopropyl)amino]phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 634904-96-4 CAPLUS

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CM 2

CRN 64-19-7
 CMF C2 H4 O2

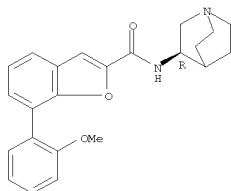


RN 634904-98-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)-, mono(4-methylbenzenesulfonate) (9CI) (CA INDEX NAME)

CM 1

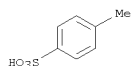
CRN 634904-39-5
 CMF C23 H24 N2 O3

Absolute stereochemistry.



CM 2

CRN 104-15-4
 CMF C7 H8 O3 S



RN 634904-99-7 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

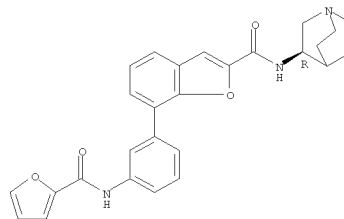
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03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[(2-furanylcarbonyl)amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



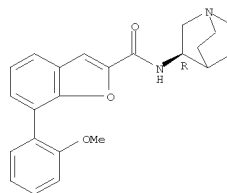
● HCl

RN 634904-97-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)-, monoacetate (9CI) (CA INDEX NAME)

CM 1

CRN 634904-39-5
 CMF C23 H24 N2 O3

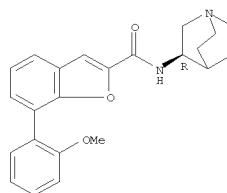
Absolute stereochemistry.



L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CRN 634904-39-5
 CMF C23 H24 N2 O3

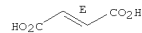
Absolute stereochemistry.



CM 2

CRN 110-17-8
 CMF C4 H4 O4

Double bond geometry as shown.



RN 634905-00-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-methoxyphenyl)-, ethanedioate (1:1) (CA INDEX NAME)

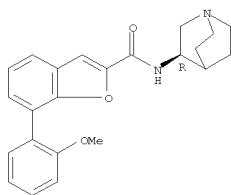
CM 1

CRN 634904-39-5
 CMF C23 H24 N2 O3

Absolute stereochemistry.

10500096>

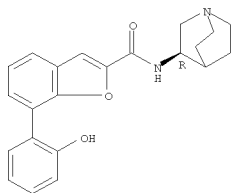
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



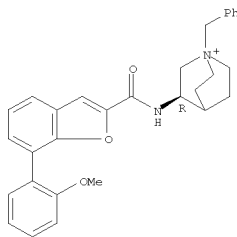
CM 2

CRN 144-62-7
CMF C2 H2 O4RN 634905-01-4 CAPLUS
CN 2-Benzofurancarboxamide, N-((3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(2-hydroxyphenyl))- (CA INDEX NAME)

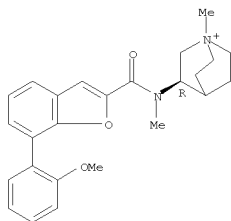
Absolute stereochemistry.

RN 634905-02-5 CAPLUS
CN 1-Azoniabicyclo[2.2.2]octane, 3-[[[7-(2-methoxyphenyl)-2-benzofuranyl]carbonyl]amino]-1-methyl-, chloride, (3R)- (9CI) (CA INDEX NAME)

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

● Br⁻RN 634905-04-7 CAPLUS
CN 1-Azoniabicyclo[2.2.2]octane, 3-[[[7-(2-methoxyphenyl)-2-benzofuranyl]carbonyl]methylamino]-1-methyl-, chloride, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

● Cl⁻RN 634905-05-8 CAPLUS
CN 2-Benzofurancarboxamide, 7-(2-methoxyphenyl)-N-((3R)-1-oxido-1-azabicyclo[2.2.2]oct-3-yl)- (CA INDEX NAME)

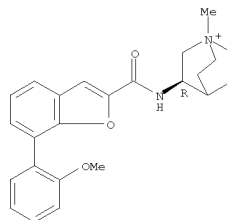
Absolute stereochemistry.

saeed

03/30/2008

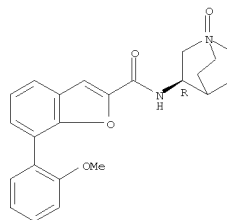
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
NAME)

Absolute stereochemistry.

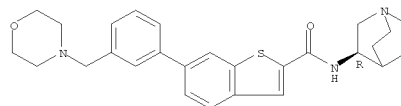
● Cl⁻RN 634905-03-6 CAPLUS
CN 1-Azoniabicyclo[2.2.2]octane, 3-[[[7-(2-methoxyphenyl)-2-benzofuranyl]carbonyl]amino]-1-(phenylmethyl)-, bromide, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 634905-06-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-((3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[3-(4-morpholinylmethyl)phenyl])- dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



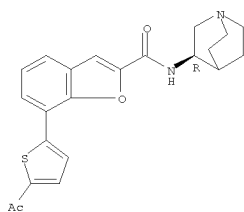
● 2 HCl

RN 634905-08-1 CAPLUS
CN 2-Benzofurancarboxamide, 7-(5-acetyl-2-thienyl)-N-((3R)-1-azabicyclo[2.2.2]oct-3-yl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

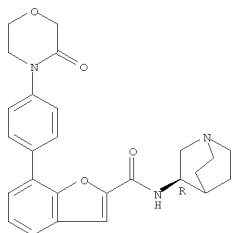
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 634905-22-9 CAPLUS
 CN 2-Benzofuran-3-carboxamide,
 N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[4-(3-oxo-4-
 morpholinyl)phenyl]- (CA INDEX NAME)

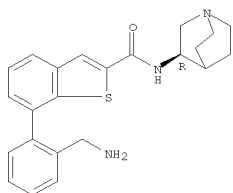
Absolute stereochemistry.



RN 634905-23-0 CAPLUS
 CN Benzoic acid, 3-[2-[[(3R)-1-azabicyclo[2.2.2]oct-3-
 ylamino]carbonyl]benzo[b]thien-7-yl]- (CA INDEX NAME)

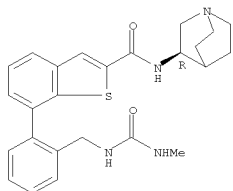
Absolute stereochemistry.

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 634905-26-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[2-
 [[[(methylamino)carbonyl]amino]methyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

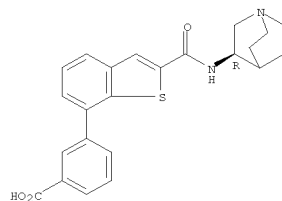


RN 634905-27-4 CAPLUS
 CN 2-Benzofuran-3-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-
 [[(ethylamino)carbonyl]amino]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

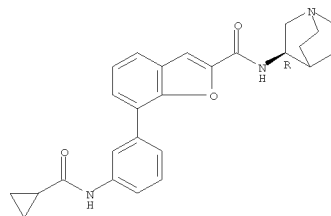
03/30/2008

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 634905-24-1 CAPLUS
 CN 2-Benzofuran-3-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[3-
 [(cyclopropylcarbonyl)amino]phenyl]- (CA INDEX NAME)

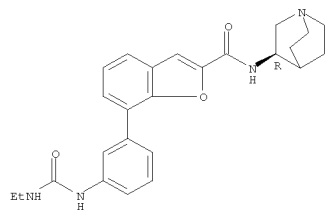
Absolute stereochemistry.



RN 634905-25-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-[2-(aminomethyl)phenyl]-N-(3R)-1-
 azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.

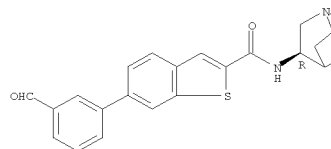
L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



IT 634905-20-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of 2-heteroaryl carboxamides for the treatment and/or the
 prophylaxis of diseases effecting memory and perception)

RN 634905-20-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(3-
 formylphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

10500096>

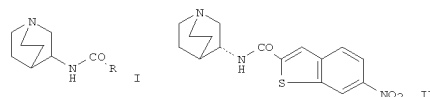
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:532663 CAPLUS
 DOCUMENT NUMBER: 139:69412
 TITLE: Preparation of 2-heteroarylcarboxylic acid amides for therapeutic use as nicotinic acetylcholine receptor agonists
 INVENTOR(S): Hendrix, Martin; Boess, Frank-Gerhard; Erb, Christina;
 Flessner, Timo; Van Kampen, Marja; Luthle, Joachim;
 Methfessel, Christoph; Wiese, Welf Burkhard
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 164 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003055878	A1	20030710	WO 2002-EP14288	20021216
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MG, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10164139	A1	20030710	DE 2001-10164139	20011227
CA 2471593	A1	20030710	CA 2002-2471593	20021216
AU 2002358718	A1	20030715	AU 2002-358718	20021216
EP 1461335	A1	20040929	EP 2002-793023	20021216
EP 1461335	B1	20070228		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
ES 2282503	T3	20071016	ES 2002-793023	20021216
US 2005119325	A1	20050602	US 2005-500096	20050111
PRIORITY APPLN. INFO.:			DE 2001-10164139	A 20011227
			WO 2002-EP14288	W 20021216

OTHER SOURCE(S): MARPAT 139:69412
 GI

03/30/2008

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



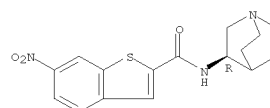
AB N-quinuclidinyl-2-heteroarylcarboxylic acid amides, such as I [R = 2-heteroaryl], were prepared for pharmaceutical use as nicotinic acetylcholine receptor (nAChR) agonists for the treatment of cognition, learning and memory disorders. Thus, the hydrochloride salt of amide II was prep'd in 62.1% yield by an amidation reaction of 6-nitrobenzothienyl-2-carboxylic acid with (R)-3-aminoquinuclidine dihydrochloride using HATU and DIPEA in DMF. The prepared amides were assayed for $\alpha 7$ -nAChR binding activity using rat brain hippocampus tissue.

IT 550998-69-1P 550998-81-7P 550998-86-2P
 550999-12-7P 550999-17-2P 550999-18-3P
 550999-21-8P 550999-23-0P 550999-37-6P
 550999-43-4P 550999-48-9P 550999-59-2P
 550999-62-7P 550999-69-4P 550999-72-9P
 550999-80-9P 550999-96-7P 551000-07-8P
 551000-11-4P 551000-16-9P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of N-quinuclidinyl-2-heteroarylcarboxamides as $\alpha 7$ nicotinic acetylcholine receptor agonists for therapeutic use in the treatment of cognition, learning and memory disorders)

RN 550998-69-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

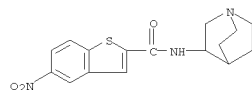
Absolute stereochemistry.



● HCl

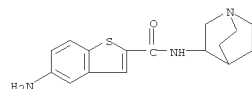
RN 550998-81-7 CAPLUS

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-5-nitro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

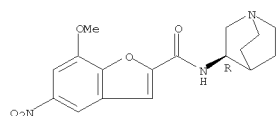
RN 550998-86-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 5-amino-N-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 550999-12-7 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-5-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

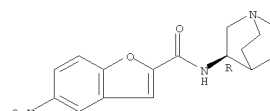


● HCl

RN 550999-17-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-nitro- (CA INDEX NAME)

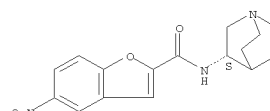
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



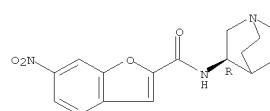
RN 550999-18-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5-nitro- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-21-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-nitro- (CA INDEX NAME)

Absolute stereochemistry.

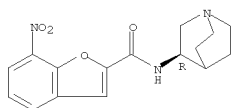


RN 550999-23-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-nitro- (CA INDEX NAME)

Absolute stereochemistry.

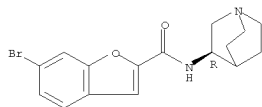
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L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



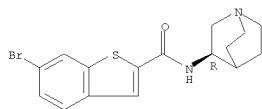
RN 550999-37-6 CAPLUS
CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bromo- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-43-4 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



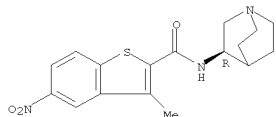
● HCl

RN 550999-48-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

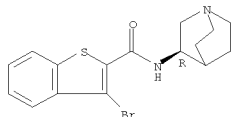
Absolute stereochemistry.



● HCl

RN 550999-72-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

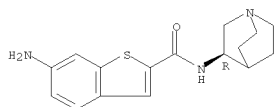
Absolute stereochemistry.



● HCl

RN 550999-80-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 6-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



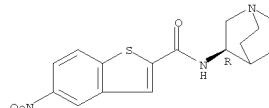
● 2 HCl

RN 550999-96-7 CAPLUS

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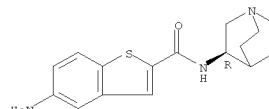
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 550999-59-2 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 5-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

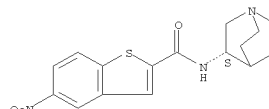
Absolute stereochemistry.



● 2 HCl

RN 550999-62-7 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5-nitro- (CA INDEX NAME)

Absolute stereochemistry.

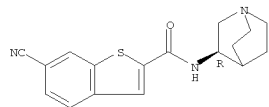


RN 550999-69-4 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-methyl-5-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-cyano-, monohydrochloride (9CI) (CA INDEX NAME)

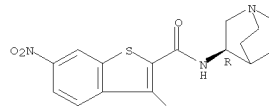
Absolute stereochemistry.



● HCl

RN 551000-07-8 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-6-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

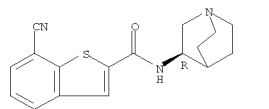
Absolute stereochemistry.



● HCl

RN 551000-11-4 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-cyano-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

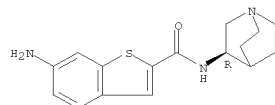


● HCl

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 551000-16-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 6-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

IT 478149-01-8P, N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]thieno[3,2-b]pyridine-2-carboxamide 478149-60-9P, N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]thieno[2,3-b]pyridine-2-carboxamide 478156-05-7P, N-[(3S)-1-Azabicyclo[2.2.2]oct-3-yl]thieno[3,2-b]pyridine-2-carboxamide 550998-70-4P 550998-71-5P 550998-72-6P 550998-73-7P 550998-74-8P 550998-75-9P 550998-76-0P 550998-77-1P 550998-78-2P 550998-79-3P 550998-80-6P 550998-82-8P 550998-83-9P 550998-84-0P 550998-85-1P 550998-87-3P 550998-88-4P 550998-89-5P 550998-90-8P 550998-91-9P 550998-92-0P 550998-93-1P 550998-94-2P 550998-95-3P 550998-96-4P 550998-97-5P 550998-98-6P 550998-99-7P 550999-00-3P 550999-01-4P 550999-02-5P 550999-03-6P 550999-04-7P 550999-05-8P 550999-06-9P 550999-07-0P 550999-08-1P 550999-09-2P 550999-10-5P 550999-11-6P 550999-13-8P 550999-14-9P 550999-15-0P 550999-16-1P 550999-19-4P 550999-20-7P 550999-22-9P 550999-24-1P 550999-25-2P 550999-26-3P 550999-27-4P 550999-28-5P 550999-29-6P 550999-30-9P 550999-31-0P 550999-32-1P 550999-33-2P 550999-34-3P 550999-35-4P 550999-36-5P 550999-38-7P 550999-39-8P 550999-40-1P 550999-41-2P 550999-42-3P 550999-44-5P 550999-45-6P 550999-46-7P 550999-47-8P 550999-49-0P 550999-50-3P 550999-51-4P 550999-52-5P 550999-53-6P 550999-55-8P 550999-56-9P 550999-57-0P 550999-58-1P 550999-60-5P 550999-61-6P 550999-63-8P 550999-64-9P 550999-65-0P 550999-66-1P 550999-67-2P 550999-68-3P

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

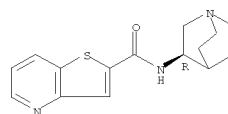
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of N-quinuclidinyl-2-heteroarylcarboxamides as $\alpha 7$ nicotinic acetylcholine receptor agonists for therapeutic use in the treatment of cognition, learning and memory disorders)

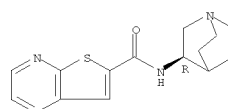
RN 478149-01-8 CAPLUS
 CN Thieno[3,2-b]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 478149-60-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

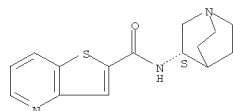
Absolute stereochemistry.



L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

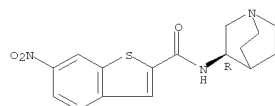
RN 478156-05-7 CAPLUS
 CN Thieno[3,2-b]pyridine-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



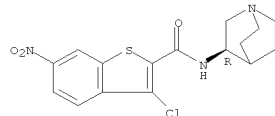
RN 550998-70-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-nitro- (CA INDEX NAME)

Absolute stereochemistry.



RN 550998-71-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-6-nitro- (CA INDEX NAME)

Absolute stereochemistry.



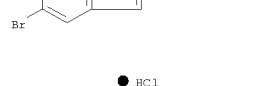
RN 550998-72-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 550998-73-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-bromo- (CA INDEX NAME)

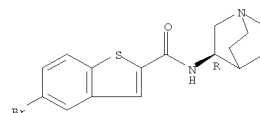
Absolute stereochemistry.



● HCl

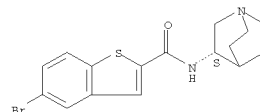
RN 550998-74-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 550998-75-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



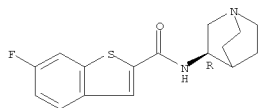
● HCl

RN 550998-75-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

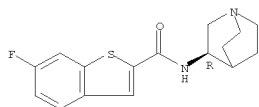
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

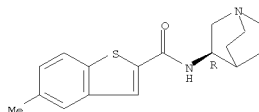
RN 550998-76-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-fluoro- (CA INDEX NAME)

Absolute stereochemistry.



RN 550998-77-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

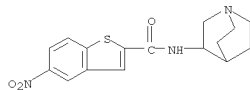
Absolute stereochemistry.



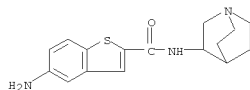
● HCl

RN 550998-78-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-methyl- (CA INDEX NAME)

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-5-nitro- (CA INDEX NAME)

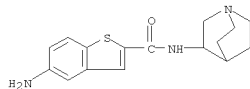


RN 550998-83-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 5-amino-N-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 550998-84-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 5-amino-N-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

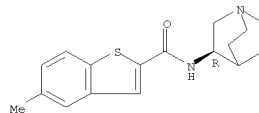


RN 550998-85-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 5-(acetylamino)-N-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

03/30/2008

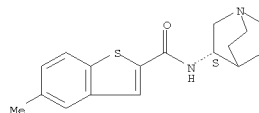
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



RN 550998-79-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

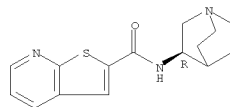
Absolute stereochemistry.



● HCl

RN 550998-80-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

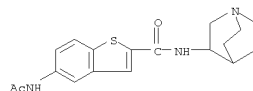
Absolute stereochemistry.



● HCl

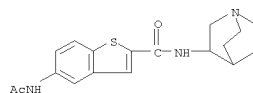
RN 550998-82-8 CAPLUS

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

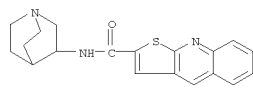


● HCl

RN 550998-87-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 5-(acetylamino)-N-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

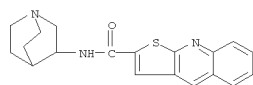


RN 550998-88-4 CAPLUS
 CN Thieno[2,3-b]quinoline-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)



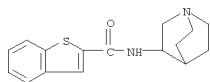
● HCl

RN 550998-89-5 CAPLUS
 CN Thieno[2,3-b]quinoline-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)



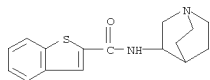
10500096>

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 550998-90-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-,
 monohydrochloride (9CI) (CA INDEX NAME)

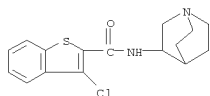


● HCl

RN 550998-91-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl- (CA
 INDEX NAME)



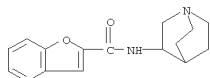
RN 550998-92-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-,
 monohydrochloride (9CI) (CA INDEX NAME)



● HCl

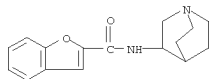
RN 550998-93-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-
 (CA INDEX NAME)

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



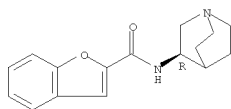
● HCl

RN 550998-97-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)



RN 550998-98-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-,
 monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



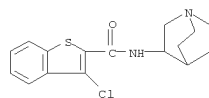
● HCl

RN 550998-99-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-
 bromo-, monohydrochloride (9CI) (CA INDEX NAME)

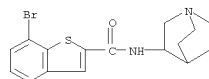
Absolute stereochemistry.

03/30/2008

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

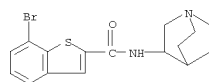


RN 550998-94-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-,
 monohydrochloride (9CI) (CA INDEX NAME)



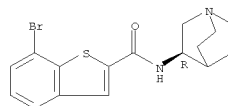
● HCl

RN 550998-95-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-
 (CA INDEX NAME)



RN 550998-96-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-1-azabicyclo[2.2.2]oct-3-yl-,
 monohydrochloride (9CI) (CA INDEX NAME)

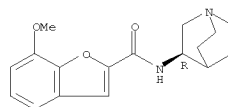
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 550999-00-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-,
 monohydrochloride (9CI) (CA INDEX NAME)

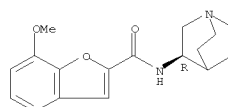
Absolute stereochemistry.



● HCl

RN 550999-01-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-
 (CA INDEX NAME)

Absolute stereochemistry.

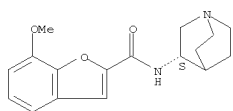


RN 550999-02-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-,
 monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

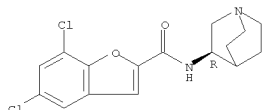
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 550999-03-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5,7-dichloro-, monohydrochloride (9CI) (CA INDEX NAME)

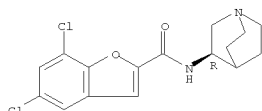
Absolute stereochemistry.



● HCl

RN 550999-04-7 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5,7-dichloro- (CA INDEX NAME)

Absolute stereochemistry.

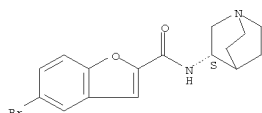


RN 550999-05-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5,7-dichloro-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 550999-08-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

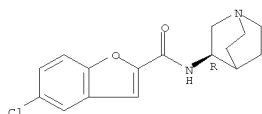
Absolute stereochemistry.



● HCl

RN 550999-09-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

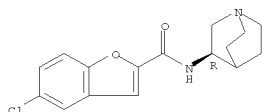
Absolute stereochemistry.



● HCl

RN 550999-10-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-chloro- (CA INDEX NAME)

Absolute stereochemistry.



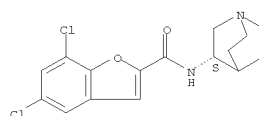
RN 550999-11-6 CAPLUS

03/30/2008

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

monohydrochloride (9CI) (CA INDEX NAME)

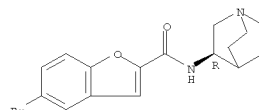
Absolute stereochemistry.



● HCl

RN 550999-06-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-bromo-, monohydrochloride (9CI) (CA INDEX NAME)

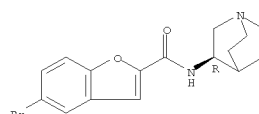
Absolute stereochemistry.



● HCl

RN 550999-07-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-bromo- (CA INDEX NAME)

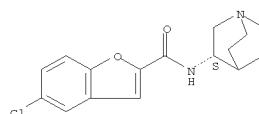
Absolute stereochemistry.



L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 550999-13-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-5-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

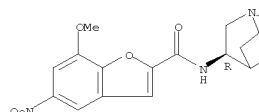
Absolute stereochemistry.



● HCl

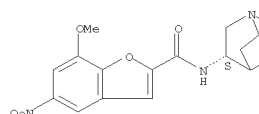
RN 550999-13-8 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-5-nitro- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-14-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-5-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 550999-15-0 CAPLUS
 CN 2-Benzofurancarboxamide, 5-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-, dihydrochloride (9CI) (CA INDEX NAME)

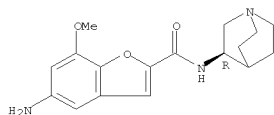
saeed

Page 53

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L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

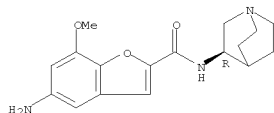
Absolute stereochemistry.



● 2 HCl

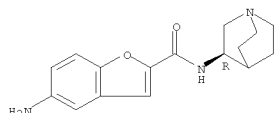
RN 550999-16-1 CAPLUS
 CN 2-Benzofurancarboxamide, 5-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-19-4 CAPLUS
 CN 2-Benzofurancarboxamide, 5-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

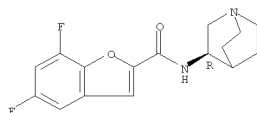
Absolute stereochemistry.



RN 550999-20-7 CAPLUS
 CN 2-Benzofurancarboxamide, 5-amino-N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

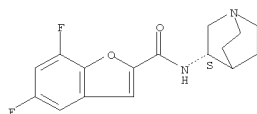
Absolute stereochemistry.

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



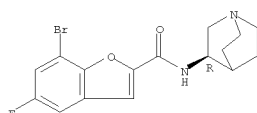
RN 550999-26-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5,7-difluoro- (CA INDEX NAME)

Absolute stereochemistry.



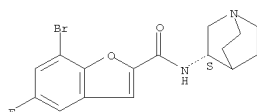
RN 550999-27-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-5-fluoro- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-28-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-5-fluoro- (CA INDEX NAME)

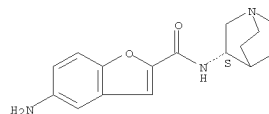
Absolute stereochemistry.



saeed

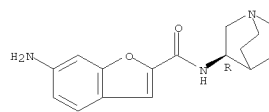
03/30/2008

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



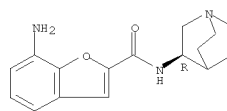
RN 550999-22-9 CAPLUS
 CN 2-Benzofurancarboxamide, 6-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-24-1 CAPLUS
 CN 2-Benzofurancarboxamide, 7-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



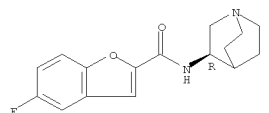
RN 550999-25-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5,7-difluoro- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 550999-29-6 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

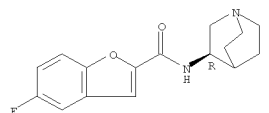
Absolute stereochemistry.



● HCl

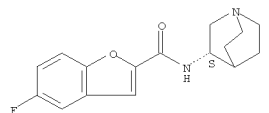
RN 550999-30-9 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-fluoro- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-31-0 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

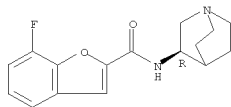


● HCl

10500096>

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 550999-32-1 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-fluoro-,
 monohydrochloride (9CI) (CA INDEX NAME)

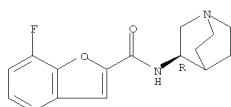
Absolute stereochemistry.



● HCl

RN 550999-33-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-fluoro-,
 (CA INDEX NAME)

Absolute stereochemistry.

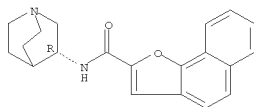


RN 550999-34-3 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-fluoro-,
 monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

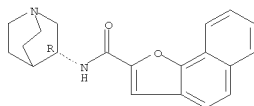
Absolute stereochemistry.



● HCl

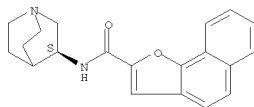
RN 550999-39-8 CAPLUS
 CN Naphtho[1,2-b]furan-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-,
 (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-40-1 CAPLUS
 CN Naphtho[1,2-b]furan-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-,
 monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

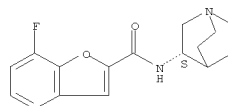
RN 550999-41-2 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-(2-cyclopropyl-2-oxoethyl)-
 (CA INDEX NAME)

Absolute stereochemistry.

saeed

03/30/2008

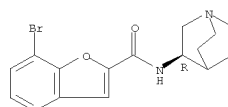
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

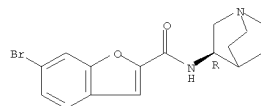
RN 550999-35-4 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-bromo-,
 (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 550999-36-5 CAPLUS
 CN 2-Benzofurancarboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bromo-,
 monohydrochloride (9CI) (CA INDEX NAME)

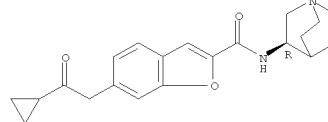
Absolute stereochemistry.



● HCl

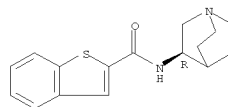
RN 550999-38-7 CAPLUS
 CN Naphtho[1,2-b]furan-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-,
 monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 550999-42-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-,
 monohydrochloride (9CI) (CA INDEX NAME)

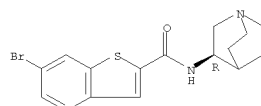
Absolute stereochemistry.



● HCl

RN 550999-44-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bromo-,
 (CA INDEX NAME)

Absolute stereochemistry.

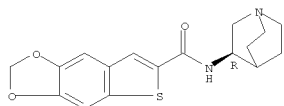


RN 550999-45-6 CAPLUS
 CN Thieno[2,3-f]-1,3-benzodioxole-6-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-,
 monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

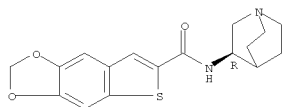
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

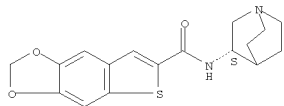
RN 550999-46-7 CAPLUS
CN Thieno[2,3-f]-1,3-benzodioxole-6-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-47-8 CAPLUS
CN Thieno[2,3-f]-1,3-benzodioxole-6-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

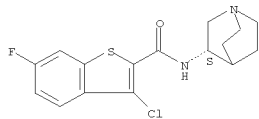
Absolute stereochemistry.



● HCl

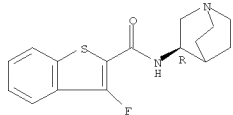
RN 550999-49-0 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-nitro- (CA INDEX NAME)

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 550999-53-6 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-fluoro- (CA INDEX NAME)

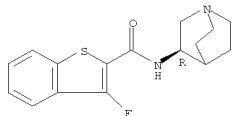
Absolute stereochemistry.



● HCl

RN 550999-55-8 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-fluoro- (CA INDEX NAME)

Absolute stereochemistry.



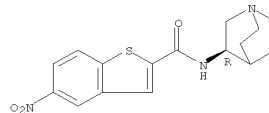
RN 550999-56-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-fluoro- (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

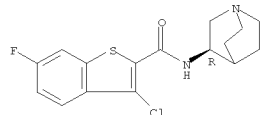
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



RN 550999-50-3 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-6-nitro- (CA INDEX NAME)

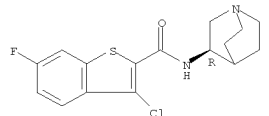
Absolute stereochemistry.



● HCl

RN 550999-51-4 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-6-fluoro- (CA INDEX NAME)

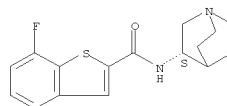
Absolute stereochemistry.



RN 550999-52-5 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-6-fluoro- (CA INDEX NAME)

Absolute stereochemistry.

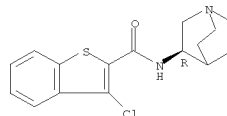
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 550999-57-0 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

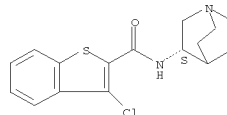
Absolute stereochemistry.



● HCl

RN 550999-58-1 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



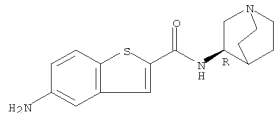
● HCl

RN 550999-60-5 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 5-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

10500096>

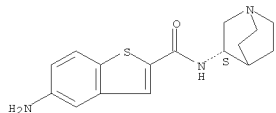
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



RN 550999-61-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 5-amino-N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

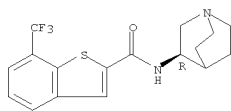
Absolute stereochemistry.



● 2 HCl

RN 550999-63-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(trifluoromethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



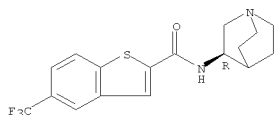
● HCl

RN 550999-64-9 CAPLUS

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

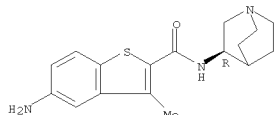
RN 550999-67-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-(trifluoromethyl)- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-68-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 5-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-methyl-, dihydrochloride (9CI) (CA INDEX NAME)

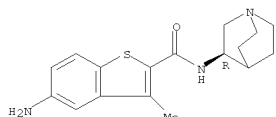
Absolute stereochemistry.



● 2 HCl

RN 550999-70-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 5-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-71-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

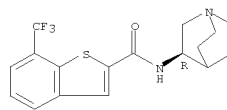
saeed

03/30/2008

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

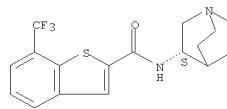
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-(trifluoromethyl)- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-65-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-(trifluoromethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

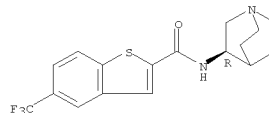
Absolute stereochemistry.



● HCl

RN 550999-66-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-(trifluoromethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

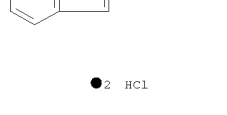


● HCl

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 550999-73-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

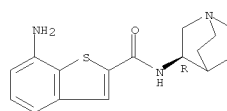
Absolute stereochemistry.



● 2 HCl

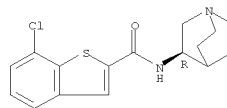
RN 550999-73-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 7-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-74-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



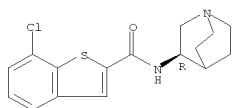
● HCl

RN 550999-75-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-chloro- (CA INDEX NAME)

Absolute stereochemistry.

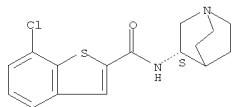
10500096>

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 550999-76-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

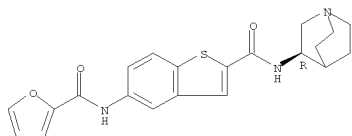
Absolute stereochemistry.



● HCl

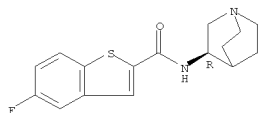
RN 550999-77-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-[(2-furanylcarbonyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

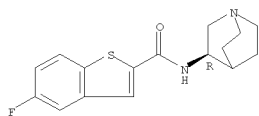
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

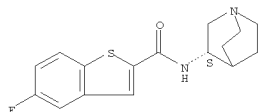
RN 550999-82-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-fluoro- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-83-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 550999-84-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-, monohydrochloride (9CI) (CA INDEX NAME)

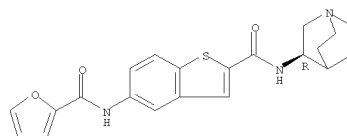
Absolute stereochemistry.

03/30/2008

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

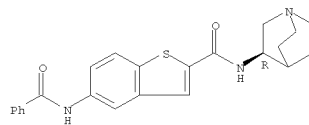
RN 550999-78-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-[(2-furanylcarbonyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-79-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-(benzoylamino)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

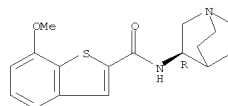


● HCl

RN 550999-81-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

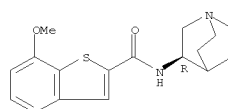
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

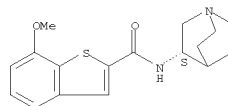
RN 550999-85-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-86-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-7-methoxy-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



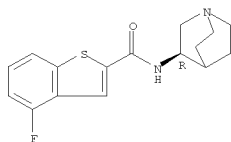
● HCl

RN 550999-87-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-4-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

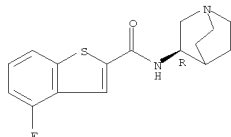
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 550999-88-7 CAPLUS
CN Benzo[h]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-4-fluoro- (CA INDEX NAME)

Absolute stereochemistry.

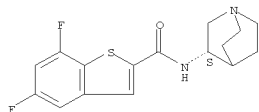


RN 550999-89-8 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-4-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-5,7-
difluoro-, monohydrochloride (9CI) (CA INDEX NAME)

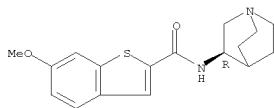
Absolute stereochemistry.



● HCl

RN 550999-93-4 CAPLUS
CN Benzo[h]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-methoxy-, monohydrochloride (9CI) (CA INDEX NAME)

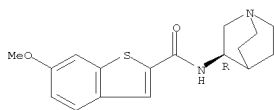
Absolute stereochemistry.



● HCl

RN 550999-94-5 CAPLUS
CN Benzo[h]thiophene-2-carboxamide, N- (3R)-1-azabicyclo[2.2.2]oct-3-yl-6-methoxy- (CA INDEX NAME)

Absolute stereochemistry.

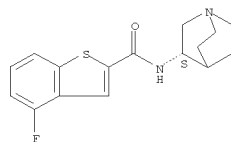


RN 550999-95-6 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-6-methoxy-, monohydrochloride (9CI) (CA INDEX NAME)

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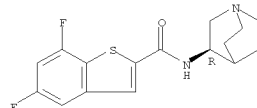
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 550999-90-1 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5,7-difluoro-, monohydrochloride (9CI) (CA INDEX NAME)

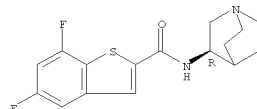
Absolute stereochemistry.



● HCl

RN 550999-91-2 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-5,7-difluoro- (CA INDEX NAME)

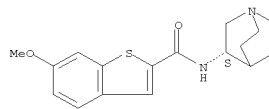
Absolute stereochemistry.



RN 550999-92-3 CAPLUS

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

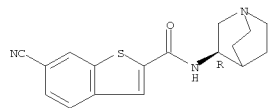
Absolute stereochemistry.



● HCl

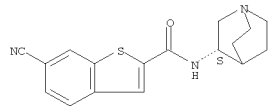
RN 550999-97-8 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-cyano- (CA INDEX NAME)

Absolute stereochemistry.



RN 550999-98-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-6-cyano-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



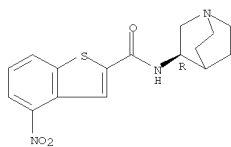
● HCl

RN 550999-99-0 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-4-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

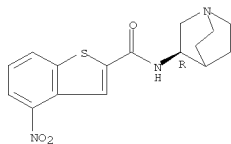
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 551000-00-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-4-nitro- (CA INDEX NAME)

Absolute stereochemistry.

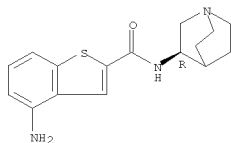


RN 551000-01-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-4-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzo[b]thiophene-2-carboxamide, 4-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

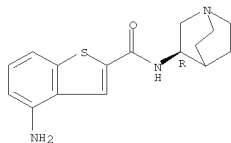
Absolute stereochemistry.



●2 HCl

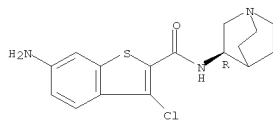
RN 551000-05-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 4-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 551000-06-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 6-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

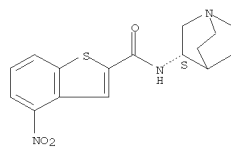


●2 HCl

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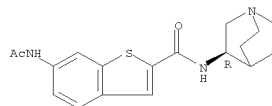
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 551000-02-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 6-(acetylamino)-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

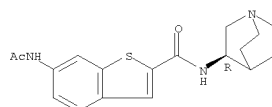
Absolute stereochemistry.



● HCl

RN 551000-03-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 6-(acetylamino)-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.

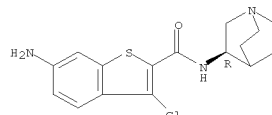


RN 551000-04-5 CAPLUS

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

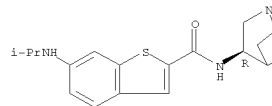
RN 551000-08-9 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, 6-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-3-chloro- (CA INDEX NAME)

Absolute stereochemistry.



RN 551000-09-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[(1-methylethyl)amino]-, dihydrochloride (9CI) (CA INDEX NAME)

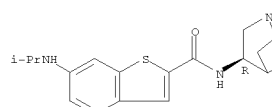
Absolute stereochemistry.



●2 HCl

RN 551000-10-3 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[(1-methylethyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.

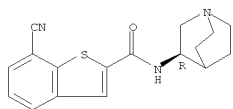


RN 551000-12-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-cyano- (CA INDEX NAME)

10500096>

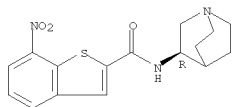
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



RN 551000-13-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

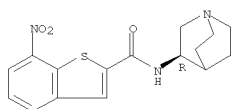
Absolute stereochemistry.



● HCl

RN 551000-14-7 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

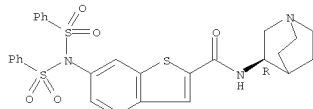


RN 551000-15-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-nitro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

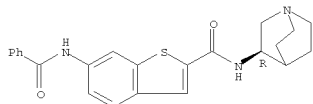
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.



RN 551000-20-5 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bis(phenylsulfonyl)amino-, monohydrochloride (9CI) (CA INDEX NAME)

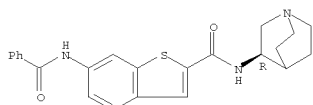
Absolute stereochemistry.



● HCl

RN 551000-21-6 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-benzoylamino-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

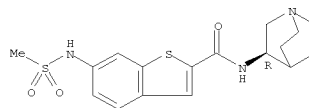


RN 551938-28-4 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[(hydroxyamino)iminomethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

03/30/2008

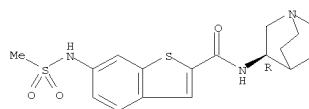
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

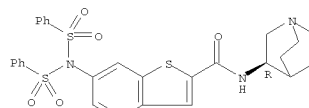
RN 551000-17-0 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[(methylsulfonyl)amino]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 551000-18-1 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bis(phenylsulfonyl)amino-, monohydrochloride (9CI) (CA INDEX NAME)

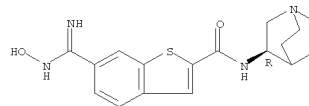
Absolute stereochemistry.



● HCl

RN 551000-19-2 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-bis(phenylsulfonyl)amino-, monohydrochloride (9CI) (CA INDEX NAME)

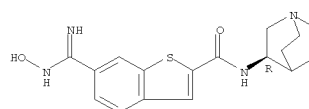
L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● 2 HCl

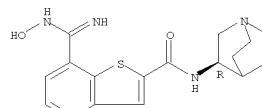
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 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[(hydroxyamino)iminomethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 551938-30-8 CAPLUS
 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[(hydroxyamino)iminomethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

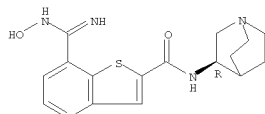
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 CN Benzo[b]thiophene-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-7-[(hydroxyamino)iminomethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10500096>

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L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:282570 CAPLUS

DOCUMENT NUMBER: 138:304175

TITLE: Preparation of N-(azabicyclyl)arylamides for therapeutic use as nicotinic acetylcholine receptor agonists

INVENTOR(S): Walker, Daniel Patrick; Piotrowski, David W.; Jacobsen, Eric Jon; Acker, Brad A.; Wishka, Donn G.; Reitz, Steven Charles; Groppi, Vincent E., Jr.

PATENT ASSIGNEE(S): Pharmacia & Upjohn Company, USA

SOURCE: PCT Int. Appl., 200 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003029252	A1	20030410	WO 2002-US29827	20021001
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2462453	A1	20030410	CA 2002-2462453	20021001
AU 2002339957	A1	20030414	AU 2002-339957	20021001
US 2003153595	A1	20030814	US 2002-262257	20021001
US 6911543	B2	20050628		
EP 1432707	A1	20040630	EP 2002-778286	20021001
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JP 2005508932	T	20050407	JP 2003-532500	20021001
NZ 531786	A	20061027	NZ 2002-531786	20021001
CN 1871235	A	20061129	CN 2002-824179	20021001
US 2003176702	A1	20030918	US 2002-272802	20021017
US 6849620	B2	20050201		
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BG 108650	A	20050430	BG 2004-108650	20040324
MX 2004PA03007	A	20040715	MX 2004-PA3007	20040330
NO 2004001368	A	20040601	NO 2004-1368	20040401
US 2005222196	A1	20051006	US 2005-137912	20050526
US 2005234092	A1	20051020	US 2005-139066	20050526
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L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

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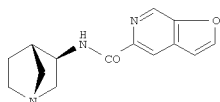
US 2001-339633P P 20011212

US 2002-262257 A1 20021001

WO 2002-US29827 W 20021001

OTHER SOURCE(S): MARPAT 138:304175

GI



AB N-(azabicyclyl)arylamides, such as RNR1C(:X)W [R = azabicyclyl; R1 = H, alkyl, cycloalkyl, haloalkyl, aryl; R2 = H, benzyl, alkyl, haloalkyl, cycloalkyl, aryl; W = heteroaryl; X = O, S], were prepared for therapeutic use as nicotinic acetylcholine receptor agonists. These amides are useful for the treatment of central nervous system disorders, such as cognitive and attention deficit symptoms of Alzheimer's, neurodegeneration associated with diseases such as Alzheimer's disease, pre-senile dementia (mild cognitive impairment), senile dementia, schizophrenia, psychosis, attention deficit disorder, attention deficit hyperactivity disorder, mood and affective disorders, amyotrophic lateral sclerosis, borderline personality disorder, traumatic brain injury, behavioral and cognitive problems associated with brain tumors, AIDS dementia complex, dementia associated with Down's syndrome, dementia associated with Lewy Bodies, Huntington's disease, depression, general anxiety disorder, age-related macular degeneration, Parkinson's disease, tardive dyskinesia, Pick's disease, post traumatic stress disorder, dysregulation of food intake including bulimia and anorexia nervosa, withdrawal symptoms associated with smoking cessation and dependent drug cessation, Gilles de la Tourette's Syndrome, glaucoma, neurodegeneration associated with glaucoma, or symptoms associated with pain. Thus, the fumarate salt of amide II was prepared via a multistep synthetic sequence which included intramolecular cyclization of trans-3-(tert-butoxycarbonylamino)-4-(2-hydroxyethyl)-1-phenylmethyldipyrrolidine to form exo-3-(tert-butoxycarbonylamino)-1-azabicyclo[2.2.1]heptane, which contains the target azabicyclic ring, and subsequent amidation of the the corresponding azabicyclic amine with furo[2,3-c]pyridine-5-carboxylic acid. The prepared amides were assayed for human α 7-5HT3 receptor binding activity.

IT 508208-29-5P 508208-38-6P 508208-44-4P

L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

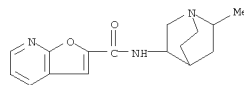
508208-47-7P 508208-56-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of N-(azabicyclyl)arylamides for therapeutic use as nicotinic acetylcholine receptor agonists)

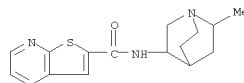
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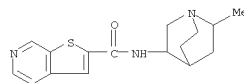
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CN Thieno[2,3-b]pyridine-2-carboxamide, N-(6-methyl-1-azabicyclo[2.2.2]oct-3-yl)- (CA INDEX NAME)



RN 508208-44-4 CAPLUS

CN Thieno[2,3-c]pyridine-2-carboxamide, N-(6-methyl-1-azabicyclo[2.2.2]oct-3-yl)- (CA INDEX NAME)



RN 508208-47-7 CAPLUS

CN Thieno[3,2-b]pyridine-2-carboxamide, N-(6-methyl-1-azabicyclo[2.2.2]oct-3-yl)- (CA INDEX NAME)

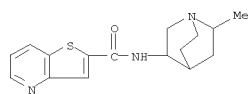
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Page 62

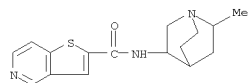
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L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 508208-56-8 CAPLUS
CN Thieno[3,2-c]pyridine-2-carboxamide,
N-(6-methyl-1-azabicyclo[2.2.2]oct-3-yl)- (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
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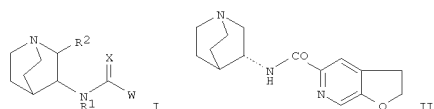
L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:964353 CAPLUS
DOCUMENT NUMBER: 138:24865
TITLE: Preparation and formulation of N-quinuclidinyl-heteroaryls as nicotinic acetylcholinergic receptor modulators for the treatment of a variety of central nervous system disorders
INVENTOR(S): Wishka, Donn G.; Reitz, Steven C.; Piotrowski, David W.; Groppl, Vincent E., Jr.
PATENT ASSIGNEE(S): Pharmacia & Upjohn Company, USA
SOURCE: PCT Int. Appl., 262 pp.
CODEN: PIXXP2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100857	A1	20021219	WO 2002-US16568	20020606
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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US 2003045540	A1	20030306	US 2002-163564	20020606
US 7067515	B2	20060627		
EP 1406901	A1	20040414	EP 2002-778932	20020606
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BR 2002010384	A	20040629	BR 2002-10384	20020606
CN 1511154	A	20040707	CN 2002-809814	20020606
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MX 2003PA11484	A	20040318	MX 2003-PA11484	20031211
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			US 2001-297709P	P 20010612
			US 2001-297710P	P 20010612
			US 2001-297711P	P 20010612
			US 2001-297712P	P 20010612
			US 2001-328596P	P 20011011
			US 2002-373495P	P 20020418

L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
WO 2002-US16568 W 20020606

OTHER SOURCE(S): MARPAT 138:24865
GI



AB N-quinuclidinyl-heteroaryls, such as amides I [R1 = H, alkyl, cycloalkyl, haloalkyl, aryl; R2 = H, benzyl, alkyl, haloalkyl, cycloalkyl, aryl; W = heteroaryl; X = O, S], were prepared for therapeutic use in the treatment of central nervous system disorders, such as cognitive and attention deficit symptoms of Alzheimer's, neurodegeneration associated with diseases such as

Alzheimer's disease, pre-senile dementia (mild cognitive impairment), senile dementia, schizophrenia, psychosis, attention deficit disorder, attention deficit hyperactivity disorder, mood and affective disorders, amyotrophic lateral sclerosis, borderline personality disorder, traumatic brain injury, behavioral and cognitive problems associated with brain tumors,

AIDS dementia complex, dementia associated with Down's syndrome, dementia associated with Lewy Bodies, Huntington's disease, depression, general anxiety disorder, age-related macular degeneration, Parkinson's disease, tardive dyskinesia, Pick's disease, post traumatic stress disorder, dysregulation of food intake including bulimia and anorexia nervosa, withdrawal symptoms associated with smoking cessation and dependent drug cessation, Gilles de la Tourette's Syndrome, glaucoma, neurodegeneration associated with glaucoma, or symptoms associated with pain. Thus, (3R)-N-quinuclidinyl amide II was prepared via a multistep synthetic sequence which started from 2-chloro-3-pyridinol and which included intramol. cyclization of 2-chloro-6-(hydroxymethyl)-4-[(trimethylsilyl)ethyl]methyl-3-pyridinol to form

(7-chlorofuro[2,3-c]pyridin-5-yl)methanol in 27% yield using Et3N in EtOH, elaboration of the alc. to 2,3-dihydrofuro[2,3-c]pyridine-5-carboxylic acid, and, finally, amidation of the acid with (R)-(+)-3-aminoquinuclidine. The prepared quinuclidine derivs. were assayed for nicotinic acetylcholinergic receptor binding activity using brain cell membrane prepared from male Sprague-Dawley rats.

IT 478148-55-9P, N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]furo[3,2-c]pyridine-2-carboxamide 478148-74-2P, N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]furo[2,3-c]pyridine-2-carboxamide dihydrochloride 478148-78-6P, N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]furo[2,3-b]pyridine-2-carboxamide hydrochloride 478148-93-5P, N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]thieno[2,3-b]pyridine-2-carboxamide dihydrochloride 478148-98-0P, N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]thieno[2,3-c]pyridine-2-carboxamide dihydrochloride 478149-01-8P, N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]thieno[3,2-b]pyridine-2-carboxamide 478149-06-3P, N-[(3R)-1-

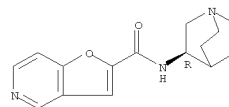
L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Azabicyclo[2.2.2]oct-3-yl]thieno[3,2-c]pyridine-2-carboxamide dihydrochloride 478149-56-3P 478149-57-4P 478149-60-9P 478149-63-2P 478149-66-5P 478149-76-7P 478149-81-4P 478149-82-5P 478149-87-0P 478149-90-5P 478149-91-6P 478149-94-9P 478155-91-8P 478155-95-2P 478155-96-3P 478156-01-3P 478156-04-6P 478156-05-7P 478156-08-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. and formulation of N-quinuclidinyl-heteroaryl amides as nicotinic acetylcholinergic receptor modulators for treatment of a variety of central nervous system disorders)

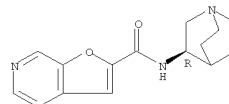
RN 478148-55-9 CAPLUS
CN Furo[3,2-c]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 478148-74-2 CAPLUS
CN Furo[2,3-c]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

RN 478148-78-6 CAPLUS
CN Furo[2,3-b]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, monohydrochloride (9CI) (CA INDEX NAME)

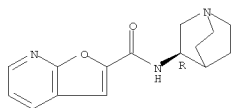
Absolute stereochemistry.

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Page 63

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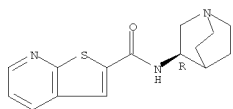
L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

RN 478148-93-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

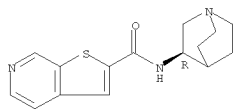
Absolute stereochemistry.



●2 HCl

RN 478148-98-0 CAPLUS
 CN Thieno[2,3-c]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

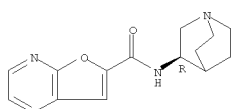
Absolute stereochemistry.



●2 HCl

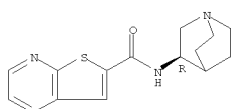
L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Furo[2,3-b]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



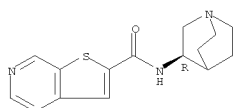
RN 478149-60-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 478149-63-2 CAPLUS
 CN Thieno[2,3-c]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 478149-66-5 CAPLUS
 CN Thieno[3,2-c]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.

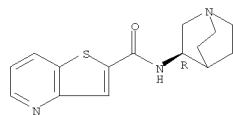
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L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

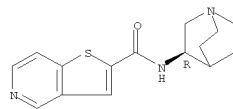
RN 478149-01-8 CAPLUS
 CN Thieno[3,2-b]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 478149-06-3 CAPLUS
 CN Thieno[3,2-c]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-, dihydrochloride (9CI) (CA INDEX NAME)

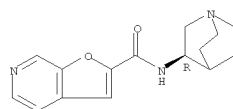
Absolute stereochemistry.



●2 HCl

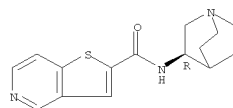
RN 478149-56-3 CAPLUS
 CN Furo[2,3-c]pyridine-2-carboxamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



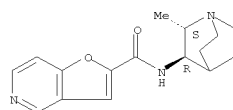
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L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



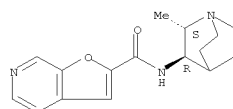
RN 478149-76-7 CAPLUS
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Absolute stereochemistry.



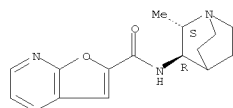
RN 478149-81-4 CAPLUS
 CN Furo[2,3-c]pyridine-2-carboxamide, N-[(2S,3R)-2-methyl-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 478149-82-5 CAPLUS
 CN Furo[2,3-b]pyridine-2-carboxamide, N-[(2S,3R)-2-methyl-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



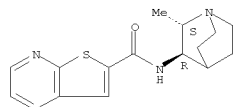
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L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

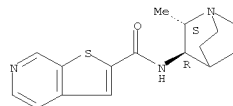
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Absolute stereochemistry.



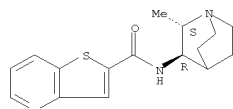
RN 478149-90-5 CAPLUS
 CN Thieno[2,3-c]pyridine-2-carboxamide, N-[(2S,3R)-2-methyl-1-azabicyclo[2.2.2]oct-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 478149-91-6 CAPLUS
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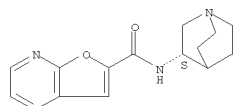
Absolute stereochemistry.



RN 478149-94-9 CAPLUS
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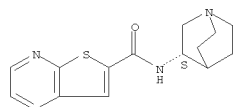
Absolute stereochemistry.

L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



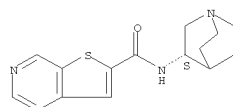
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 CN Thieno[2,3-b]pyridine-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



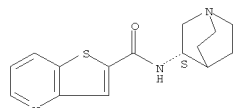
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 CN Thieno[2,3-c]pyridine-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 478156-05-7 CAPLUS
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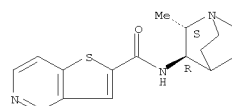
Absolute stereochemistry.



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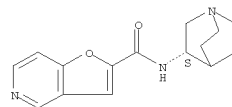
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L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



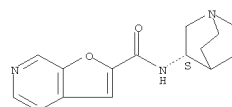
RN 478155-91-8 CAPLUS
 CN Furo[3,2-c]pyridine-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 478155-95-2 CAPLUS
 CN Furo[2,3-c]pyridine-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



RN 478155-96-3 CAPLUS
 CN Furo[2,3-b]pyridine-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

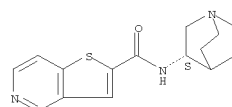
Absolute stereochemistry.



L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 478156-08-0 CAPLUS
 CN Thieno[3,2-c]pyridine-2-carboxamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

79.66

258.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-11.20

-11.20

STN INTERNATIONAL LOGOFF AT 14:17:04 ON 30 MAR 2008